

Andrew Freistein 10/707,402

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and
USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS 18 SEP 11 CA/CAPLUS enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that
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FILE 'HOME' ENTERED AT 09:59:53 ON 19 SEP 2006

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:00:02 ON 19 SEP 2006

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STRUCTURE FILE UPDATES: 18 SEP 2006 HIGHEST RN 907539-37-1

DICTIONARY FILE UPDATES: 18 SEP 2006 HIGHEST RN 907539-37-1

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Effective September 24, 2006, Concord 3D coordinates will no longer be available. Please contact CAS Customer Care (<http://www.cas.org/supp.html>) if you have a need for 3D coordinates.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

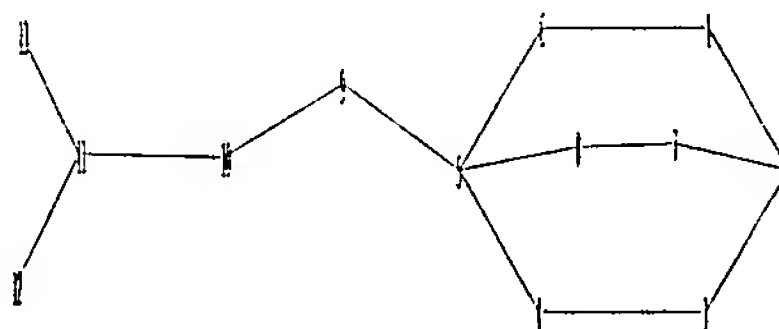
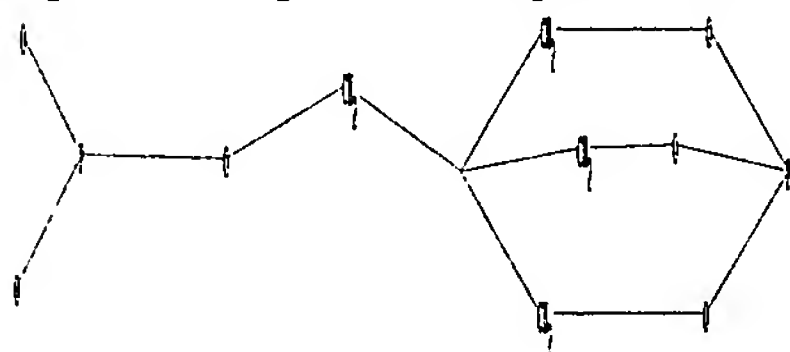
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10707402\IV.str



chain nodes :

9 10 11 12 13

ring nodes :

1 2 3 4 5 6 7 8

chain bonds :

5-9 9-10 10-11 11-12 11-13

ring bonds :

1-2 1-6 2-3 2-7 3-4 4-5 5-6 5-8 7-8

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 4-5 5-6 5-8 7-8 10-11 11-12 11-13

exact bonds :

5-9 9-10

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS

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Page 2

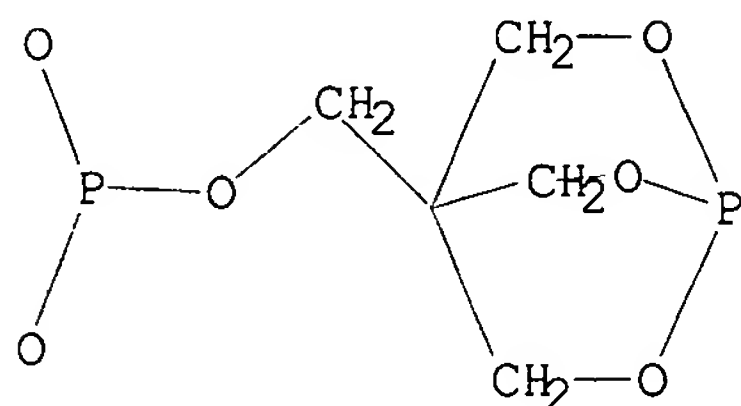
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L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 10:00:32 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 18 TO ITERATE

100.0% PROCESSED 18 ITERATIONS
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 106 TO 614
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 10:00:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 317 TO ITERATE

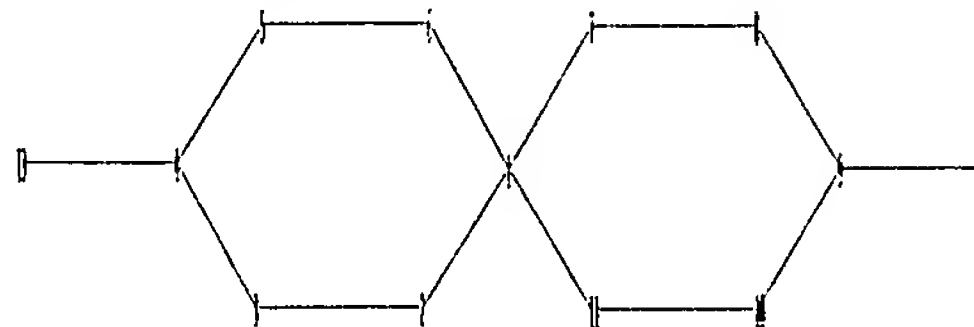
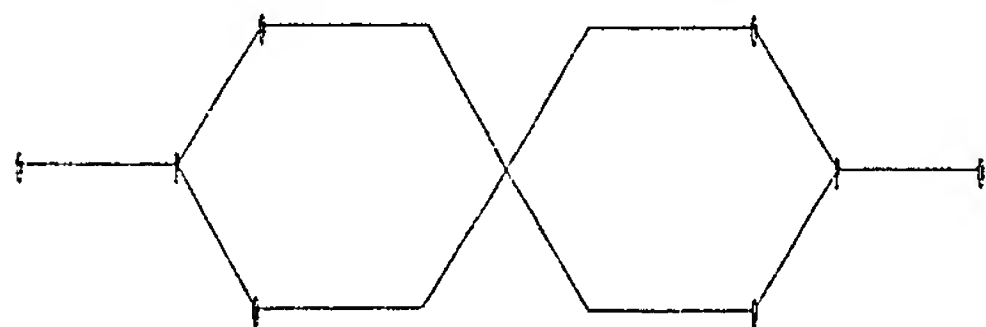
100.0% PROCESSED 317 ITERATIONS
SEARCH TIME: 00.00.01

41 ANSWERS

L3 41 SEA SSS FUL L1

=>

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chain nodes :

12 13

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

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4-13 9-12

ring bonds :

1-2 1-6 1-7 1-11 2-3 3-4 4-5 5-6 7-8 8-9 9-10 10-11

exact/norm bonds :

1-2 1-6 1-7 1-11 2-3 3-4 4-5 4-13 5-6 7-8 8-9 9-10 9-12 10-11

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:CLASS 13:CLASS

L4 STRUCTURE UPLOADED

=> s l4

SAMPLE SEARCH INITIATED 10:00:57 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 54 TO ITERATE

100.0% PROCESSED 54 ITERATIONS

29 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 640 TO 1520

PROJECTED ANSWERS: 257 TO 903

L5 29 SEA SSS SAM L4

=> s l4 full

FULL SEARCH INITIATED 10:01:04 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 968 TO ITERATE

100.0% PROCESSED 968 ITERATIONS

480 ANSWERS

SEARCH TIME: 00.00.01

L6 480 SEA SSS FUL L4

=>

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chain nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

1-2 2-3 3-4 3-6 3-8 4-5 6-7 8-9

exact/norm bonds :

1-2 4-5 6-7 8-9

exact bonds :

2-3 3-4 3-6 3-8

Match level :

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Page 4

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1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS

L7 STRUCTURE UPLOADED

=> s 17

SAMPLE SEARCH INITIATED 10:01:24 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 7524 TO ITERATE

26.6% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 145280 TO 155680

PROJECTED ANSWERS: 4089 TO 5993

L8 50 SEA SSS SAM L7

=> s 17 full

FULL SEARCH INITIATED 10:01:30 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 147461 TO ITERATE

100.0% PROCESSED 147461 ITERATIONS 5851 ANSWERS
SEARCH TIME: 00.00.01

L9 5851 SEA SSS FUL L7

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	500.82	501.03

FILE 'CAPLUS' ENTERED AT 10:01:36 ON 19 SEP 2006
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FILE COVERS 1907 - 19 Sep 2006 VOL 145 ISS 13
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=> s 13 and 16 and 19

50 L3

2335 L6

14457 L9

L10 4 L3 AND L6 AND L9

=> d ibib abs hitstr 1-4

L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:763095 CAPLUS

DOCUMENT NUMBER: 135:319067

TITLE: Acid-methylol compound reaction products for flame resistance

INVENTOR(S): Kasowski, Robert Valentine; Kasowski, Maya Meltzer

PATENT ASSIGNEE(S): USA

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

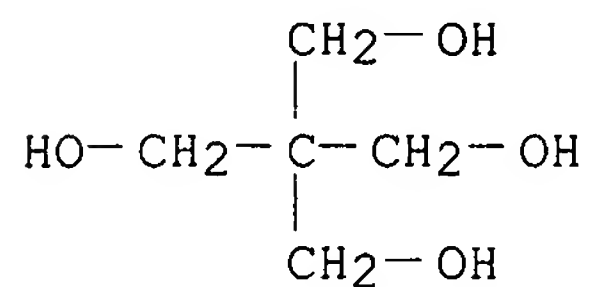
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077217	A1	20011018	WO 2001-US9514	20010327
W: AT, AU, BG, CA, CH, CZ, DK, ES, FI, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LU, MK, MX, NO, NZ, PL, PT, RO, RU, SE, SG, TR, UA, US, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
US 2004039085	A1	20040226	US 2002-275239	20021029
PRIORITY APPLN. INFO.:			US 2000-195703P	P 20000407
			US 2000-196944P	P 20000413
			US 2000-213379P	P 20000623
			WO 2001-US9514	W 20010327

AB This invention relates to novel flame retardants (FR) resulting from the reaction of (a) or (b) with (c) where (a) is a compound containing at least one amine group and with at least one sixteenth of the amine mols. having at least one methylol bond, (b) is a phenol with at least one sixteenth of the phenol mols. having at least one methylol bond, and (c) is a mineral acid, organic acid, and organo-phosphorous acid, or a mixture thereof and optionally adding a polyhydric compound and/or optionally adding formaldehyde to the acid. These compns. are for use in general flame retardant applications such as coatings, adhesives, and articles made of polymeric materials. The FR mechanism by which these compds. generally perform as an FR agent is intumescence but the field of this invention is not restricted to that mechanism. Some of the compds. have substantial intumescence and others have very little intumescence but still are flame retardants. A typical fireproofing agent was manufactured by heating 37.9 g melamine 15-30 min at 90° with 10.4 g paraformaldehyde in 170 g water, and adding the resulting methylolmelamine solution to water containing pyrophosphoric acid in 3-5 min.

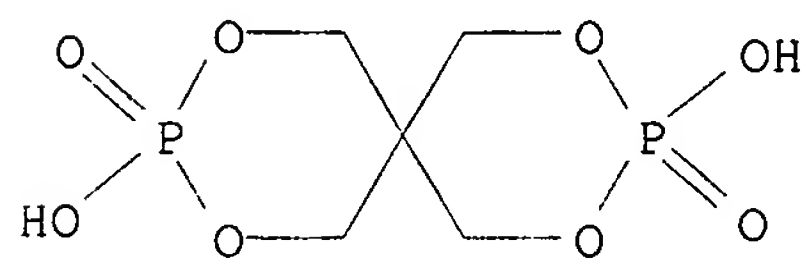
IT 115-77-5DP, Pentaerythritol, reaction products with methylolmelamine and polyphosphoric acids 947-28-4DP, Pentaerythritol diphosphate, reaction products with methylolated amines 89676-40-4DP, Dipentaerythritol triphosphate, reaction products with methylolated amines
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(acid-methylol compound reaction products for fireproofing agents for

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polymers)
RN 115-77-5 CAPLUS
CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)

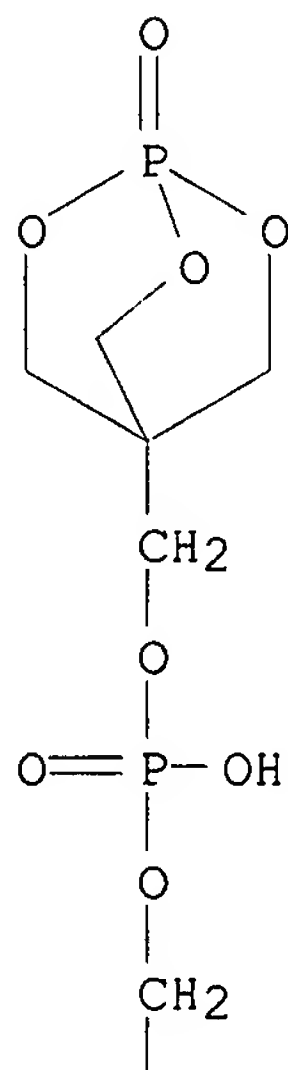


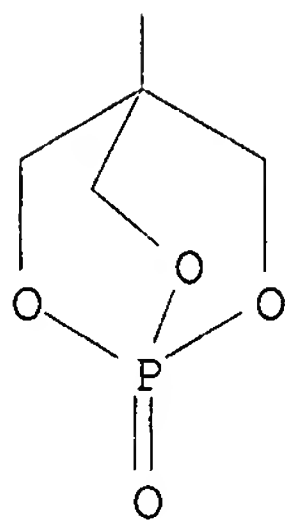
RN 947-28-4 CAPLUS
CN 2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-dihydroxy-,
3,9-dioxide (9CI) (CA INDEX NAME)



RN 89676-40-4 CAPLUS
CN 2,6,7-Trioxa-1-phosphabicyclo[2.2.2]octane-4-methanol, hydrogen phosphate,
1,1'-dioxide (9CI) (CA INDEX NAME)

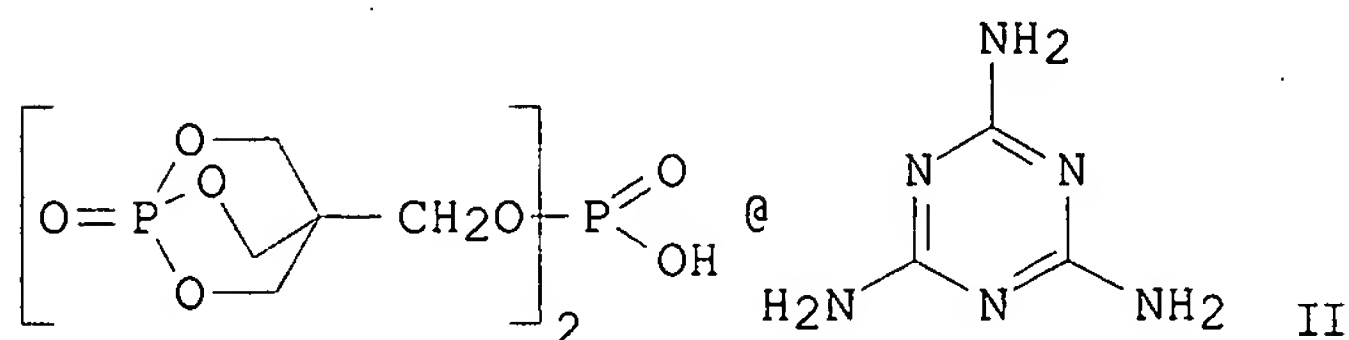
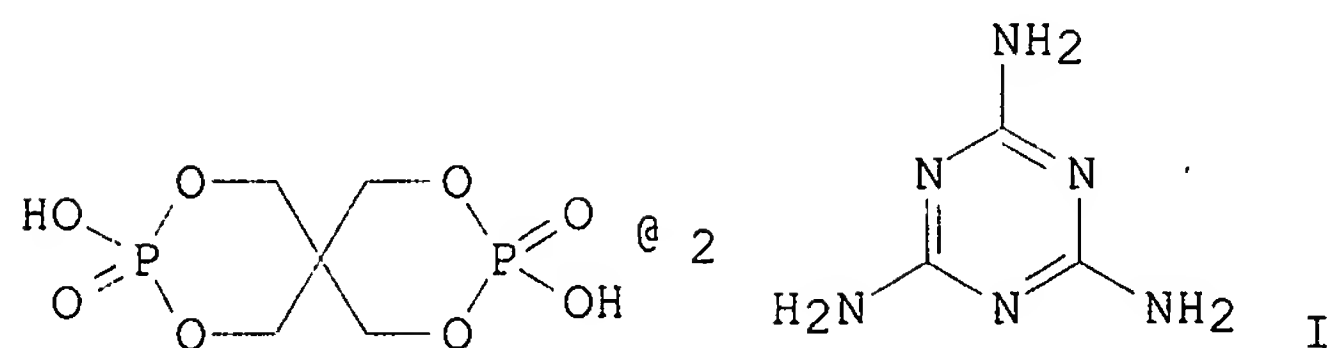
PAGE 1-A





REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1984:192898 CAPLUS
 DOCUMENT NUMBER: 100:192898
 TITLE: Fire retardancy of thermoplastic materials by
 intumescence
 AUTHOR(S): Halpern, Yuval; Mott, Donna M.; Niswander, Ronald H.
 CORPORATE SOURCE: Cent. Res. Lab., Borg-Warner Chem., Des Plaines, IL,
 60018, USA
 SOURCE: Industrial & Engineering Chemistry Product Research
 and Development (1984), 23(2), 233-8
 CODEN: IEPRA6; ISSN: 0196-4321
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB The intumescent, fire-retardant phosphate dimelamine salt (I) [70776-17-9] and melamine phosphate (II) [89676-41-5], prepared from pentaerythritol [115-77-5], melamine, and POCl₃, are sufficiently thermally stable for processing in thermoplastics. They are effective fire retardants for polypropylene [9003-07-0] at concns. ≥20%. Both are more efficient than conventional halogen-Sb retardants, and have a less adverse effect on phys. properties.
 IT 70776-17-9 89676-41-5
 RL: USES (Uses)

J.

(fire retardant, intumescent, for plastics)

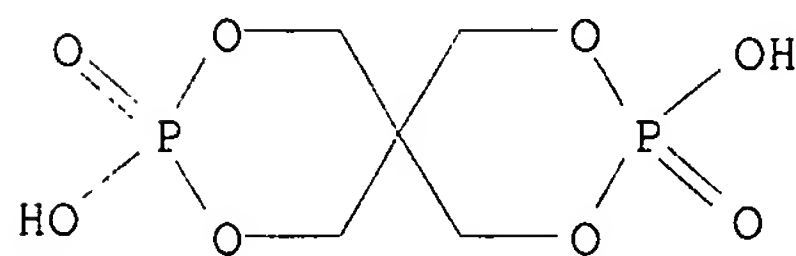
RN 70776-17-9 CAPLUS

CN 1,3,5-Triazine-2,4,6-triamine, compd. with 3,9-dihydroxy-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane 3,9-dioxide (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 947-28-4

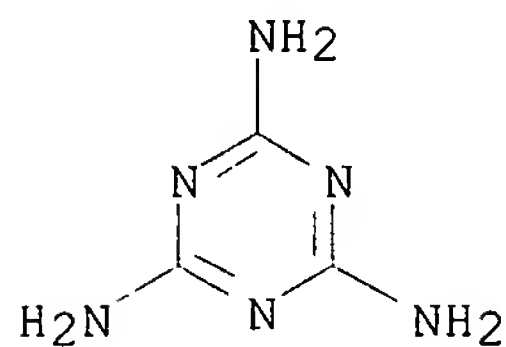
CMF C5 H10 O8 P2



CM 2

CRN 108-78-1

CMF C3 H6 N6



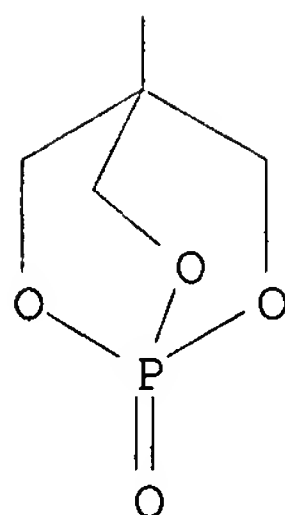
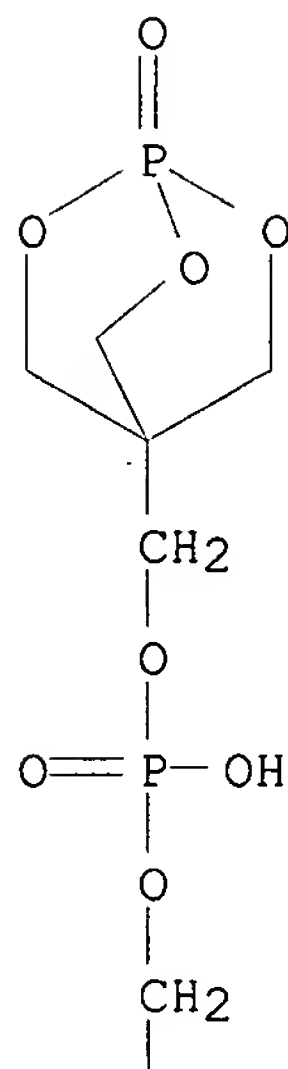
RN 89676-41-5 CAPLUS

CN 2,6,7-Trioxa-1-phosphabicyclo[2.2.2]octane-4-methanol, hydrogen phosphate,
1,1'-dioxide, compd. with 1,3,5-triazine-2,4,6-triamine (1:1) (9CI) (CA
INDEX NAME)

CM 1

CRN 89676-40-4

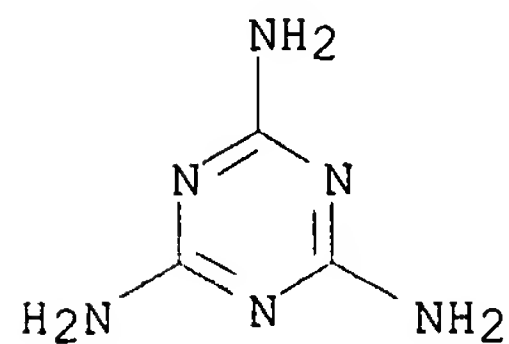
CMF C10 H17 O12 P3



CM 2

CRN 108-78-1

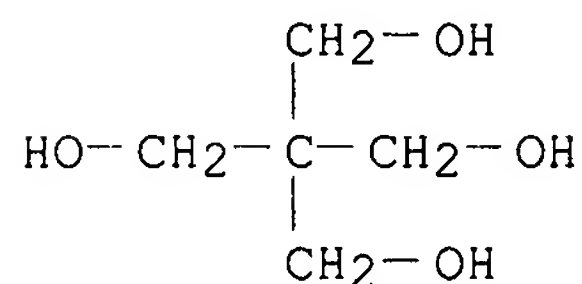
CMF C3 H6 N6



IT 115-77-5, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)

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(reaction of, with phosphoryl chloride)
RN 115-77-5 CAPLUS
CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1976:561241 CAPLUS
DOCUMENT NUMBER: 85:161241
TITLE: Polycyclic phosphate esters
INVENTOR(S): Batorewicz, Wadim
PATENT ASSIGNEE(S): Uniroyal, Inc., USA
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 3970726	A	19760720	US 1975-543289	19750123
ZA 7507361	A	19761124	ZA 1975-7361	19751124
AU 7587073	A1	19770602	AU 1975-87073	19751128
AU 499115	B2	19790405		
DE 2559371	A1	19760729	DE 1975-2559371	19751231
FR 2298553	A1	19760820	FR 1976-1585	19760121
FR 2298553	B1	19790309		
JP 51098224	A2	19760830	JP 1976-5527	19760122
PL 105884	P	19791130	PL 1976-186703	19760122
NL 7600743	A	19760727	NL 1976-743	19760123
US 4054543	A	19771018	US 1976-663173	19760302

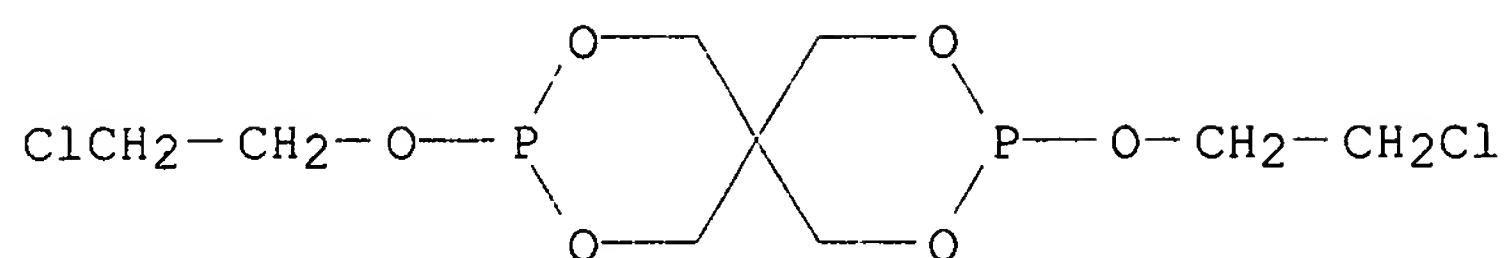
PRIORITY APPLN. INFO.: US 1975-543289 A 19750123

AB Fireproofing agents for polyurethane precursors to be foamed were made by reacting PCl_3 with pentaerythritol [115-77-5] and either oxidizing-esterifying the product, or treating it with ethylene oxide [75-21-8] and chlorinating the product. Thus, the spiroadduct [3643-70-7] of pentaerythritol and PCl_3 was oxidized and esterified with EtOH to give the Et ester. The latter was mixed with 1-(aminoethyl)piperazine-propylene oxide adduct, methylenebis(phenyl isocyanate), surfactants, curing agent, and blowing agents to give a polyurethane with O index 24.5, in contrast with the value of 20.6 when no fireproofing agents was used.

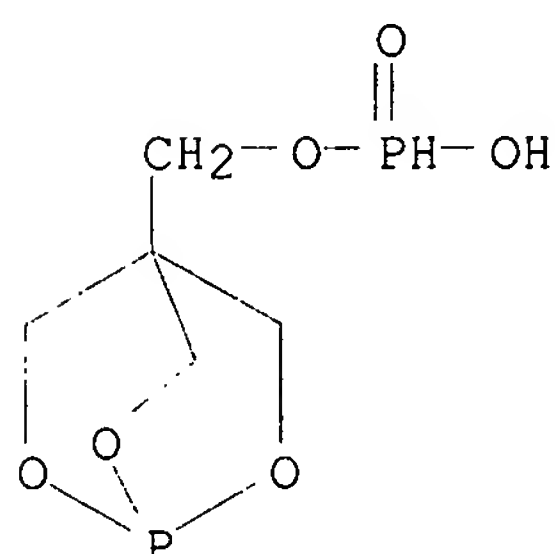
IT 60860-22-2P 60860-23-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and esterification of)

RN 60860-22-2 CAPLUS
CN 2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-bis(2-chloroethoxy)-
(9CI) (CA INDEX NAME)

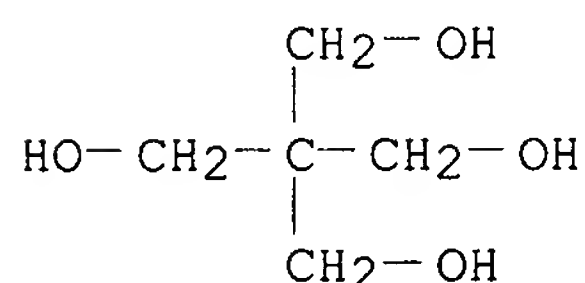
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RN 60860-23-3 CAPLUS
CN Phosphonic acid, mono(2,6,7-trioxa-1-phosphabicyclo[2.2.2]oct-4-ylmethyl)
ester (9CI) (CA INDEX NAME)



IT 115-77-5, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(with phosphorus trichloride)
RN 115-77-5 CAPLUS
CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1973:465706 CAPLUS
DOCUMENT NUMBER: 79:65706
TITLE: Formation of isomeric diphenylpentaerythritoldiphosphites during the transesterification of triphenyl phosphite with pentaerythritol
AUTHOR(S): Gubaidullin, R. N.; Eganov, V. F.; Arshinova, R. P.; Mukmenev, E. T.
CORPORATE SOURCE: Inst. Org. Fiz. Khim. im. Arbuzova, Kazan, USSR
SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1973), (5), 1116-18
CODEN: IASKA6; ISSN: 0002-3353
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI For diagram(s), see printed CA Issue.
AB P(OPh)3 heated with C(CH2OH)4 at 100-20° in vacuo gave 5 transesterification products, from which the diphenyl pentaerythrityl diphosphite (I) was isolated in over 50% yield. This also formed from bicyclic pentaerythrityl bis-phosphorochloridite and PhOH in the presence of PhNH2 in CHCl3-C6H6. Bicyclic phosphite of 3 functional groups of

IT

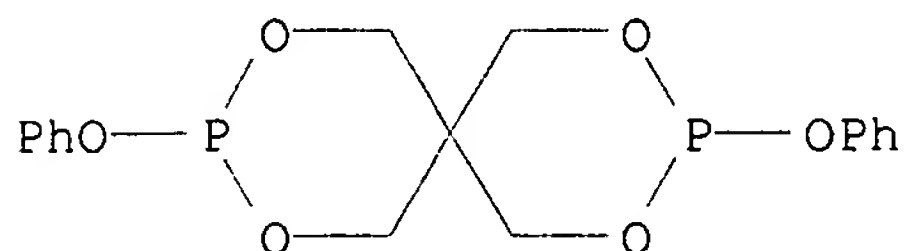
144-35-4P 42022-83-3P

RN

144-35-4 CAPLUS

CN

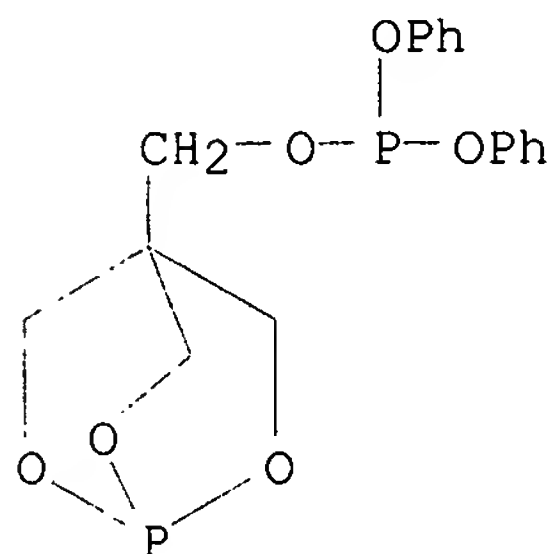
(CA INDEX NAME)



CN

CN

ylmethyl ester (9CI) (CA INDEX NAME)



IT

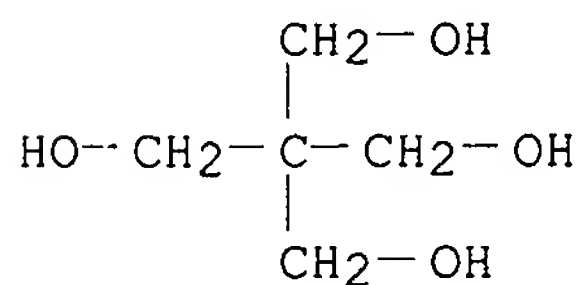
RL: RCT (Reactant); RACT (Reactant or reagent)

(transesterification of triphenyl phosphite by)

RN

CN

1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI)



COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

21.36

522.39

SINCE FILE

THE FILE

TOTAL

ENTRY

SESSION

-3.00

-3.00

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```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16

L11 40 L6

=> s 13 and 16 and 19

6 L3

40 L6

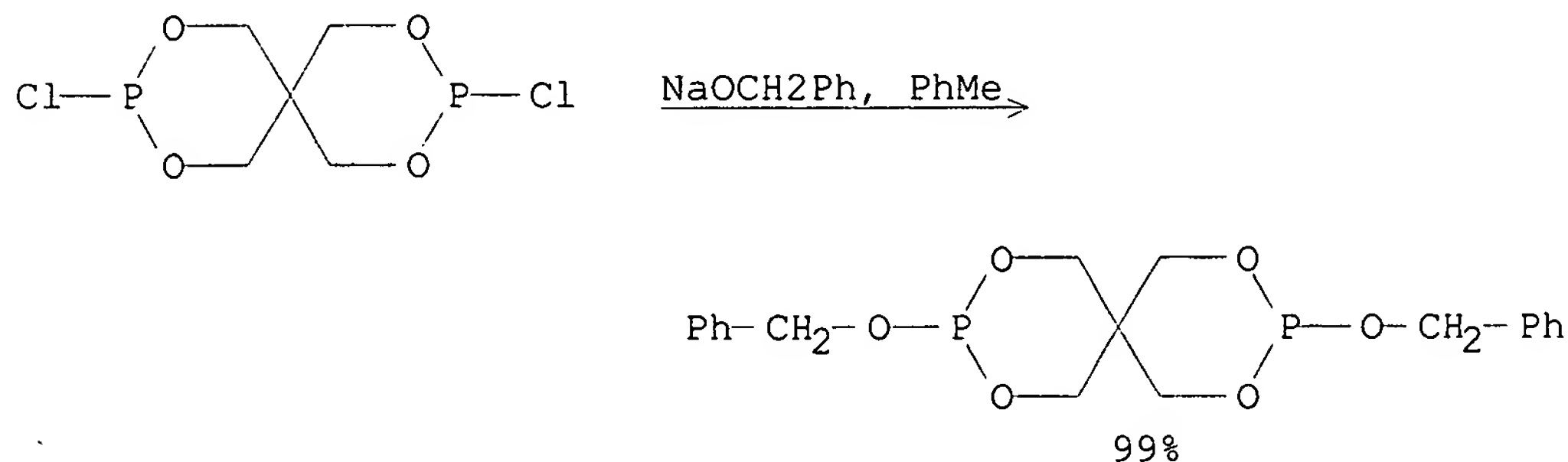
275 L9

L12 0 L3 AND L6 AND L9

=> d 1-40 111

L11 ANSWER 1 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(2) OF 9



REF: Jpn. Kokai Tokkyo Koho, 2004149443, 27 May 2004

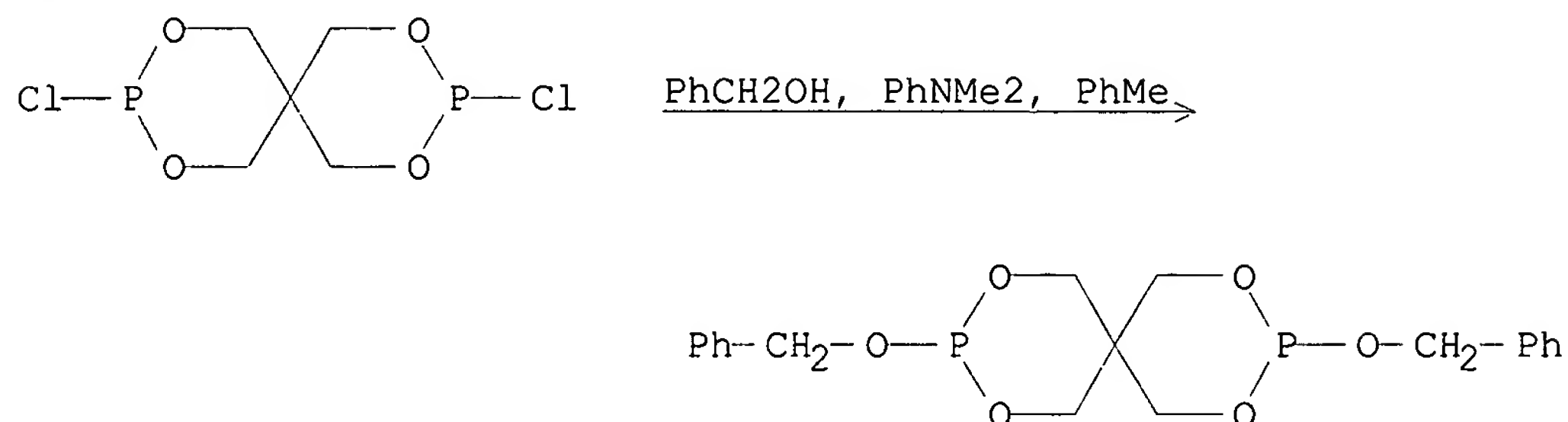
NOTE: alternative prepn. shown

CON: STAGE(1) room temperature -> 5 deg C; 2 hours, 5 deg C;
30 minutes, 5 deg C -> room temperature; 1 hour,
room temperature

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L11 ANSWER 2 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(2) OF 3



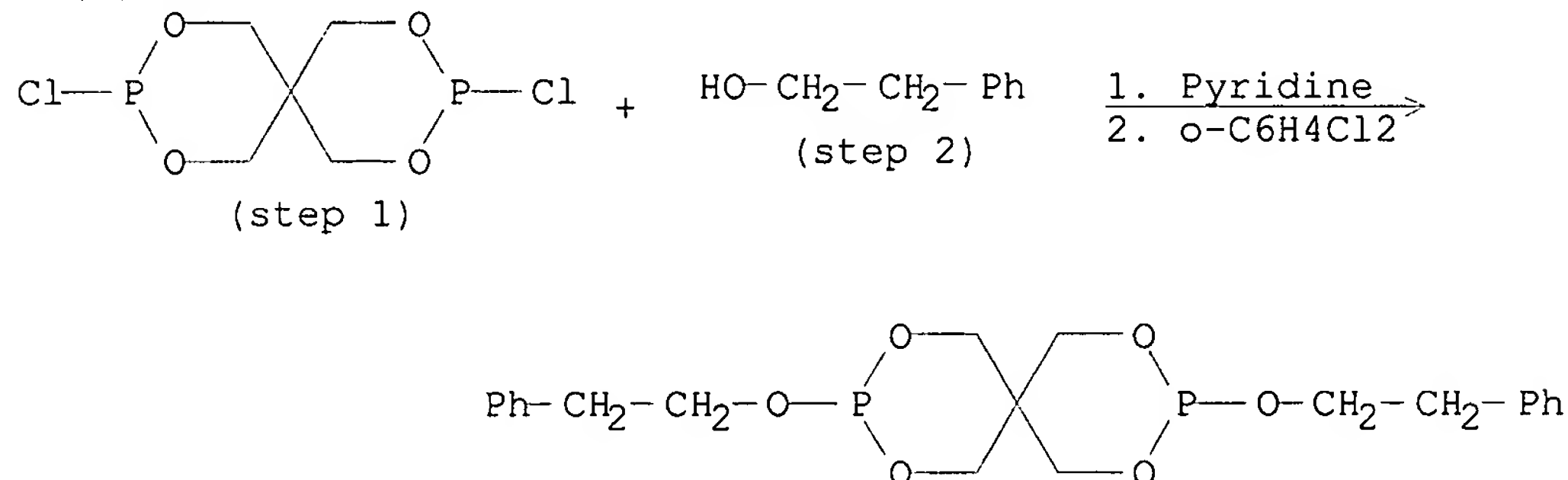
REF: Jpn. Kokai Tokkyo Koho, 2004099500, 02 Apr 2004

NOTE: alternative prepn. shown

CON: STAGE(1) 15 deg C; 30 minutes, 20 deg C

L11 ANSWER 3 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(2) OF 6



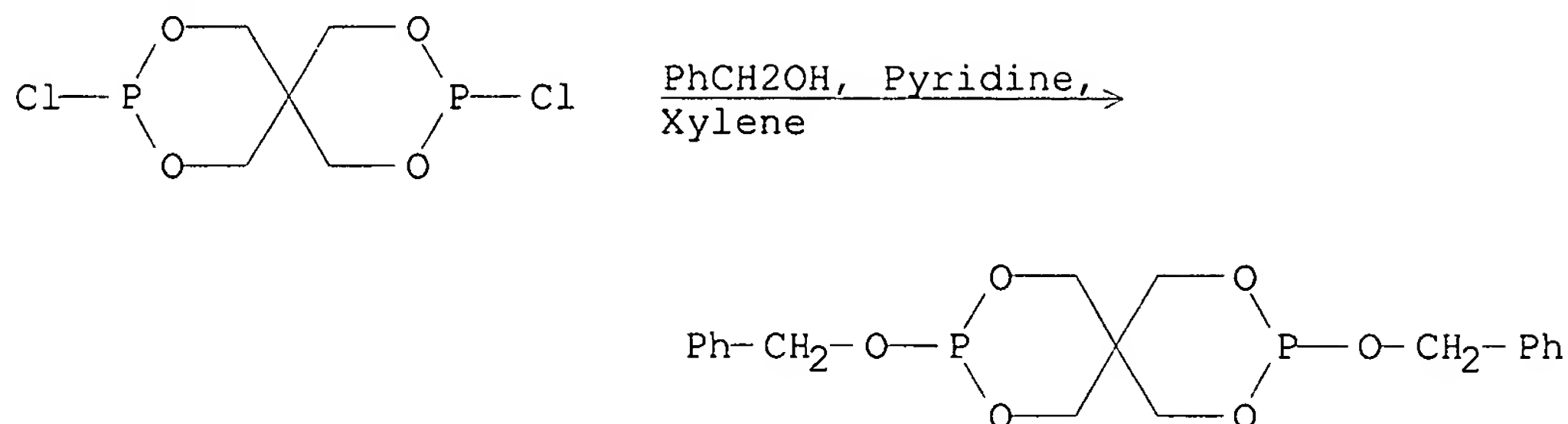
REF: Jpn. Kokai Tokkyo Koho, 2004083538, 18 Mar 2004

CON: STAGE(1) room temperature; room temperature -> 5 deg C

STAGE(2) 1 hour, 5 deg C; 20 minutes, room temperature

L11 ANSWER 4 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

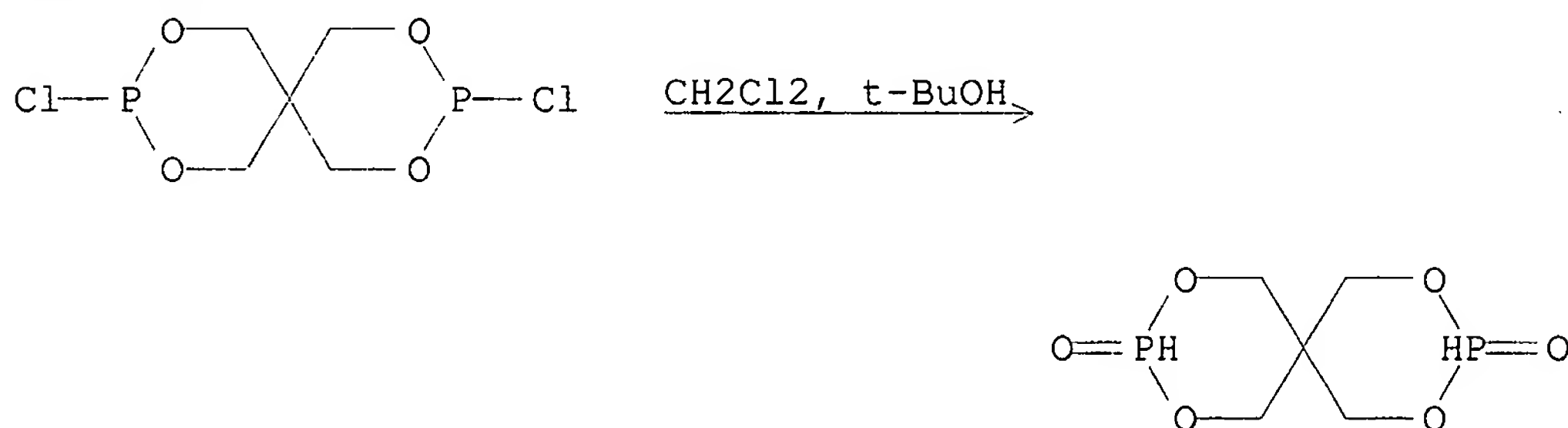
RX(2) OF 3



REF: Jpn. Kokai Tokkyo Koho, 2004083537, 18 Mar 2004
CON: STAGE(1) room temperature -> 5 deg C; 60 minutes; 20 minutes,
room temperature

L11 ANSWER 5 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

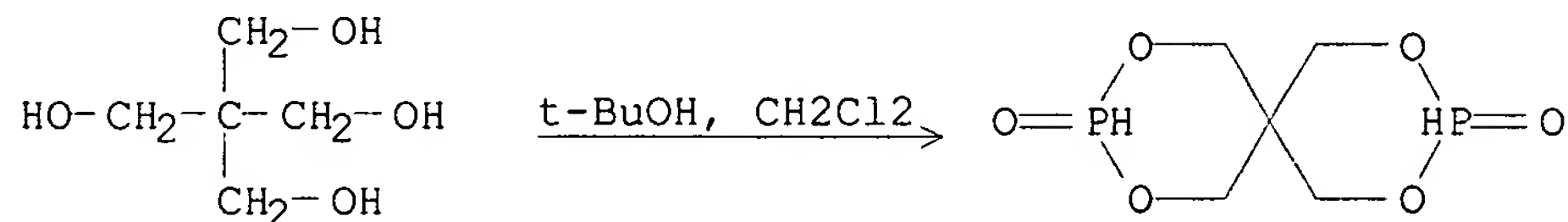
RX(2) OF 10



REF: Jpn. Kokai Tokkyo Koho, 2004035481, 05 Feb 2004
CON: STAGE(1) <10 deg C; 1 hour

L11 ANSWER 6 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

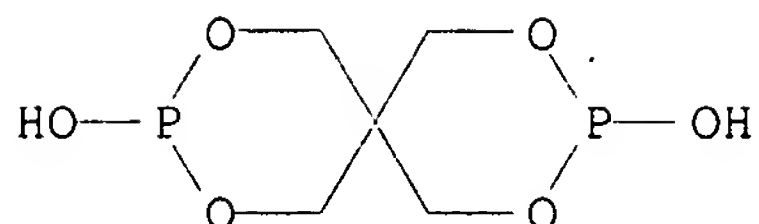
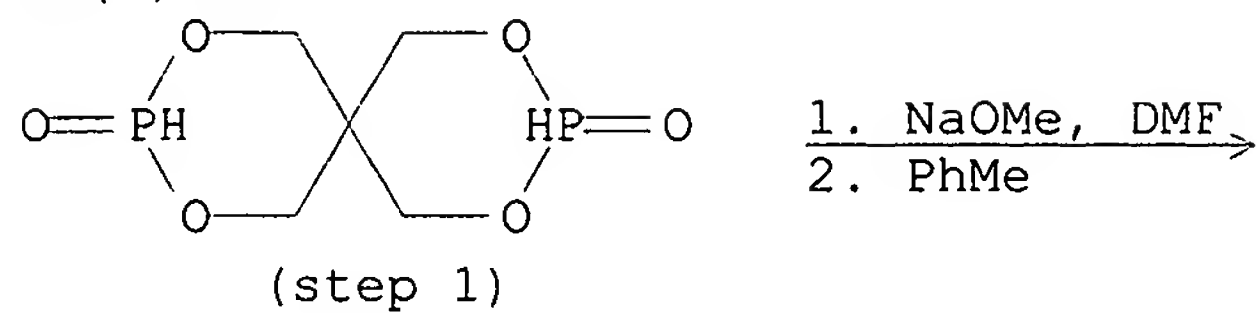
RX(2) OF 2



REF: Jpn. Kokai Tokkyo Koho, 2004035472, 05 Feb 2004
CON: STAGE(1) room temperature -> 5 deg C; 1 hour, 5 deg C; 2 hours,
5 deg C

L11 ANSWER 7 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 1



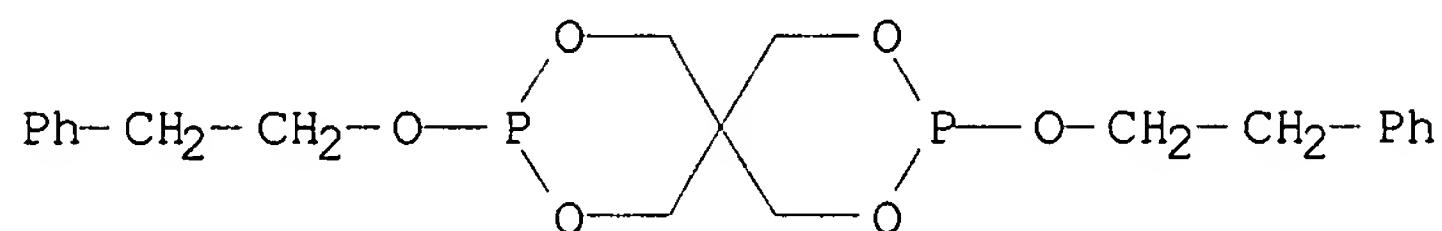
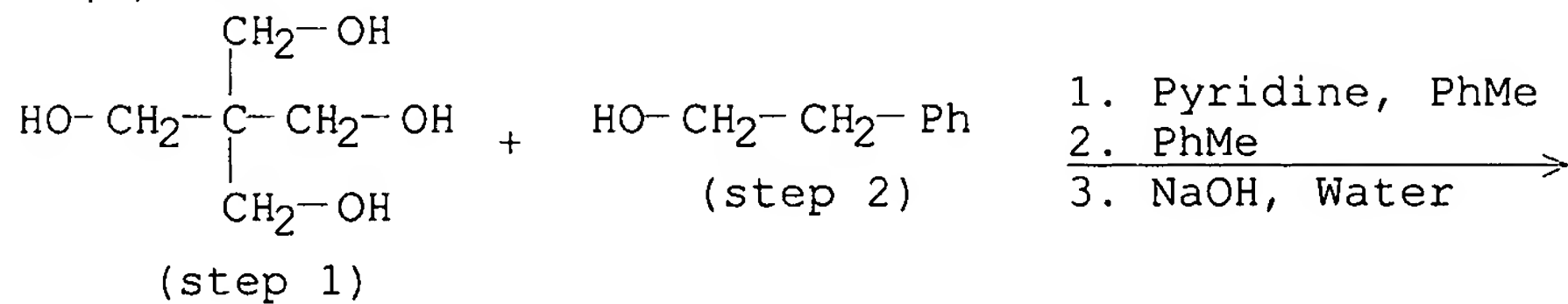
2 Na

REF: Jpn. Kokai Tokkyo Koho, 2004035471, 05 Feb 2004

CON: STAGE(1) 5 minutes, room temperature; 1.5 hours, 5 deg C

L11 ANSWER 8 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 1

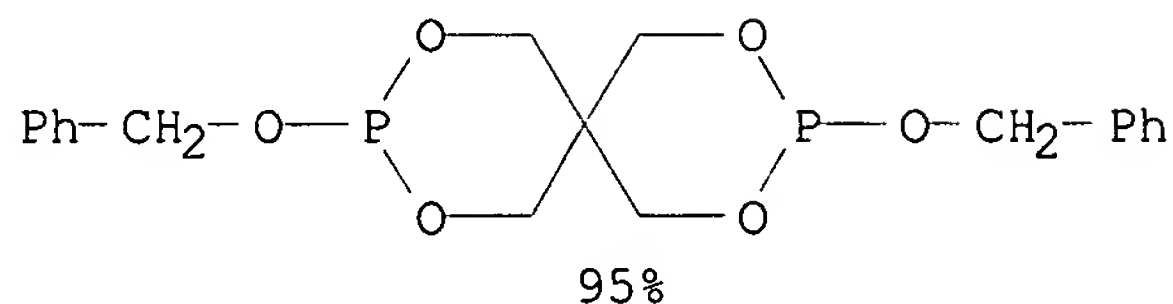
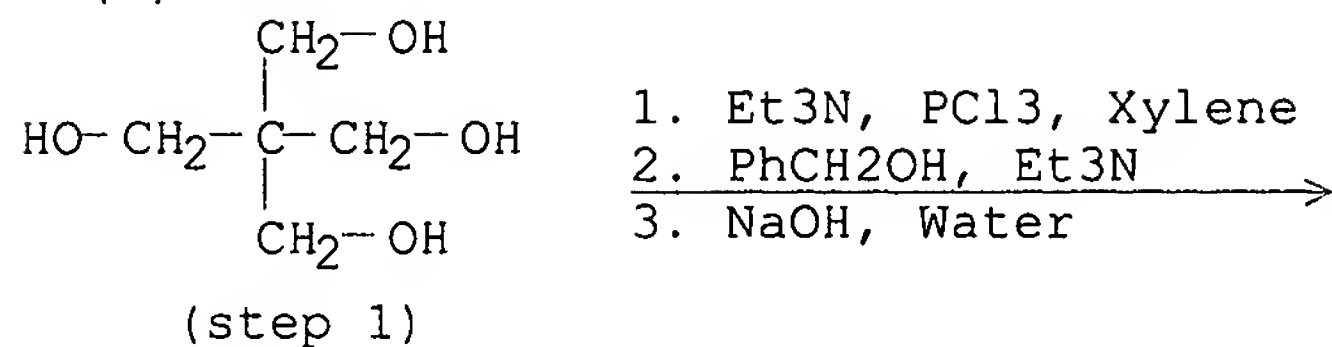


REF: Jpn. Kokai Tokkyo Koho, 2004035467, 05 Feb 2004

CON: STAGE(1) 30 minutes, 120 deg C; 1 hour; 30 minutes, 60 deg C
STAGE(2) 40 minutes; 30 minutes, 20 deg C

L11 ANSWER 9 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 1



REF: Jpn. Kokai Tokkyo Koho, 2004035465, 05 Feb 2004

NOTE: alternative prepn. shown

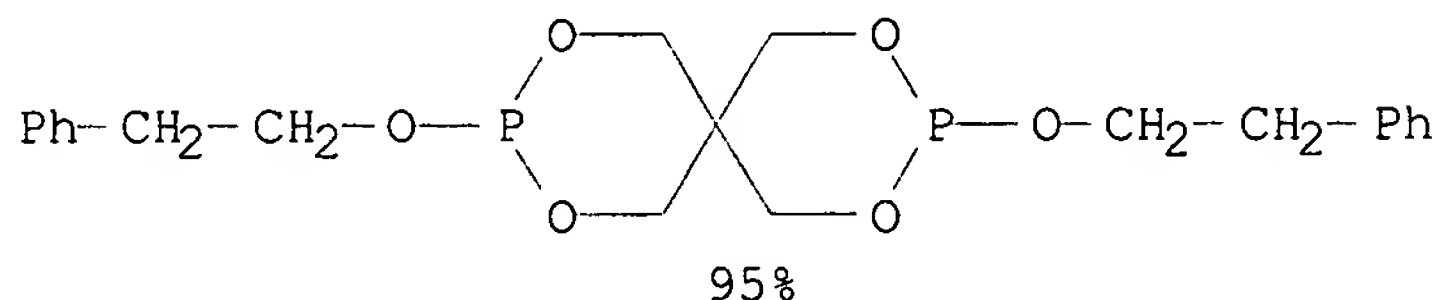
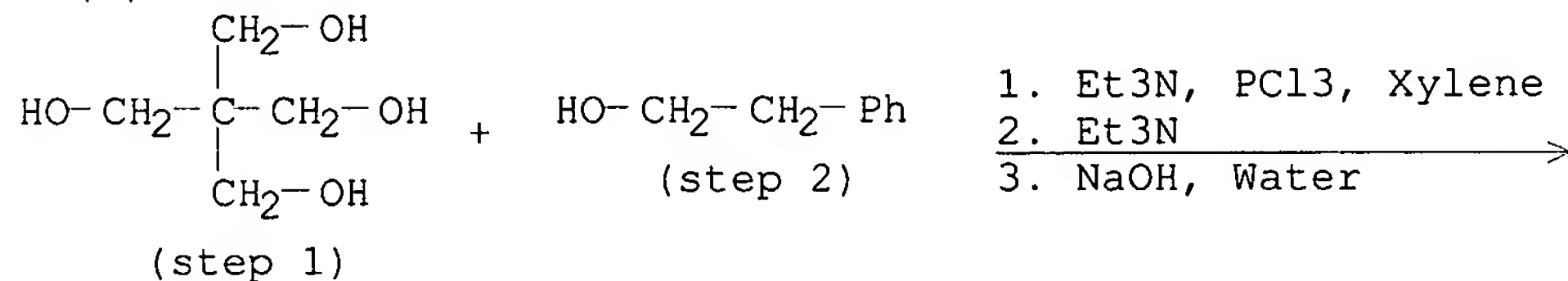
CON: STAGE(1) 30 minutes, room temperature;

room temperature -> 60 deg C

STAGE(2) 1 hour, 15 deg C; 30 minutes, 20 deg C

L11 ANSWER 10 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 1



REF: Jpn. Kokai Tokkyo Koho, 2004035468, 05 Feb 2004

NOTE: alternative prepn. shown

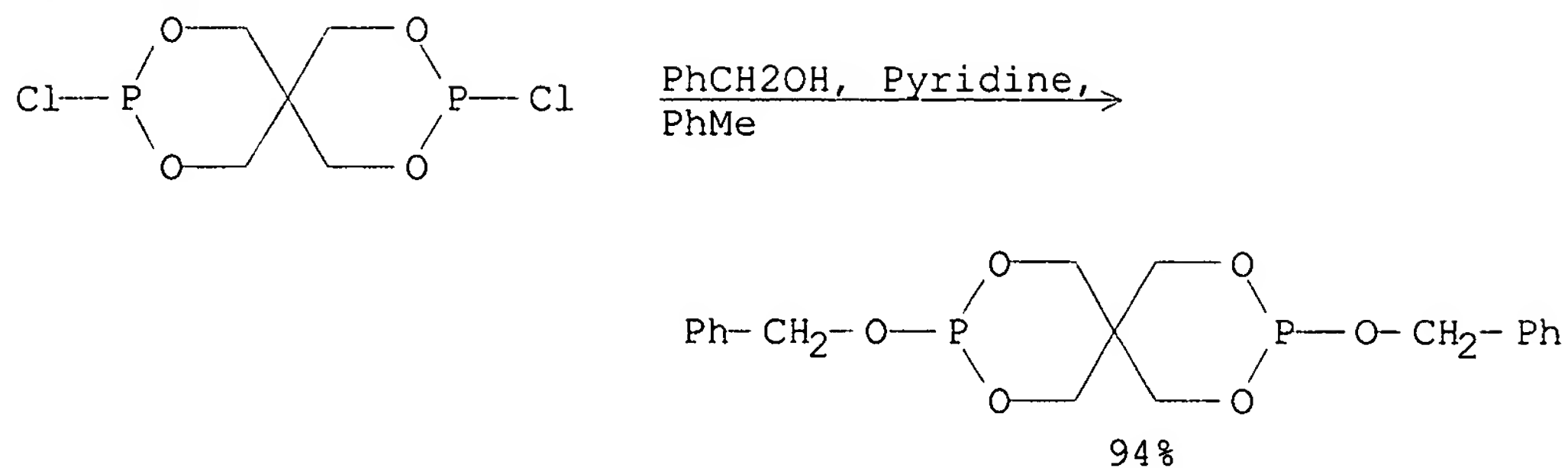
CON: STAGE(1) 30 minutes, room temperature;

room temperature -> 60 deg C

STAGE(2) 1 hour, 15 deg C; 30 minutes, 20 deg C

L11 ANSWER 11 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

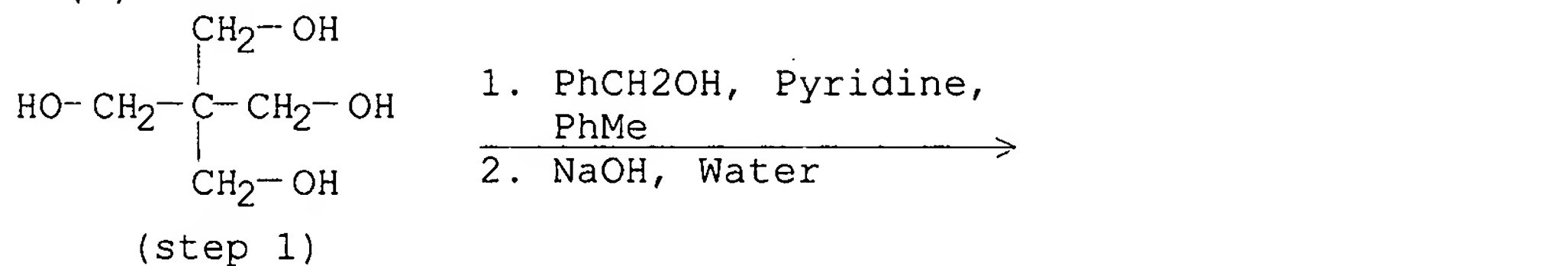
RX(2) OF 4



REF: Jpn. Kokai Tokkyo Koho, 2004018406, 22 Jan 2004
CON: 30 minutes, 20 deg C

L11 ANSWER 12 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

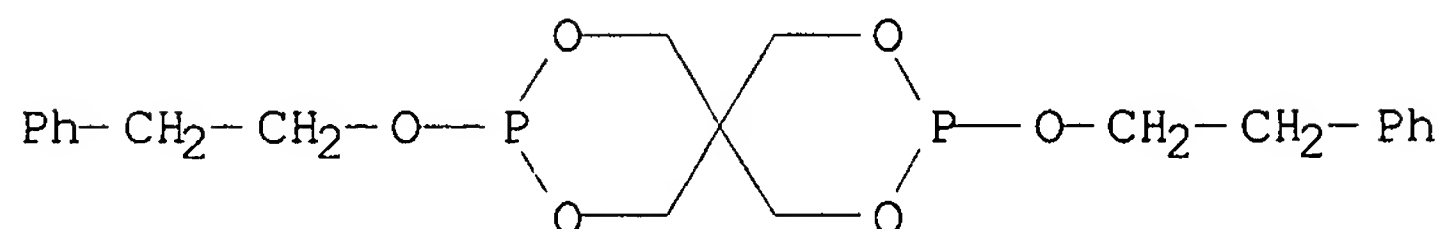
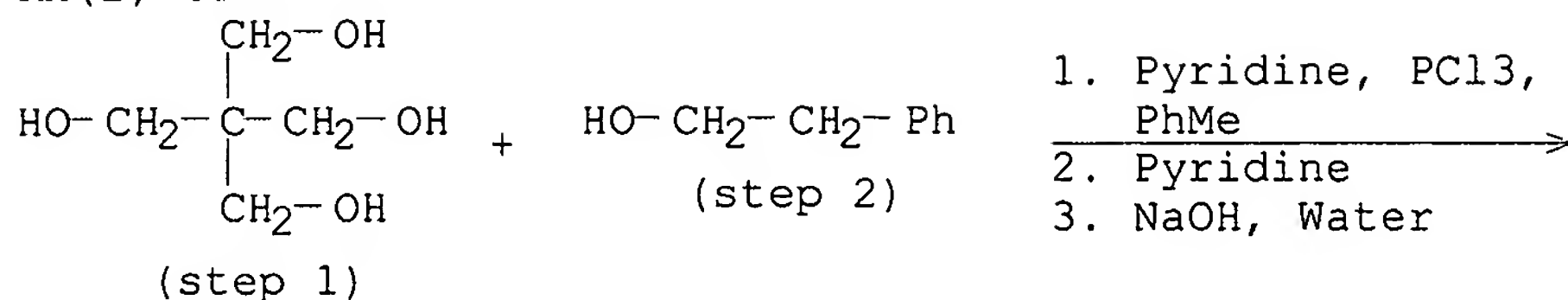
RX(2) OF 2



REF: Jpn. Kokai Tokkyo Koho, 2004018388, 22 Jan 2004
CON: STAGE(1) room temperature -> 120 deg C; 30 minutes, 20 deg C;
30 minutes

L11 ANSWER 13 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(2) OF 2



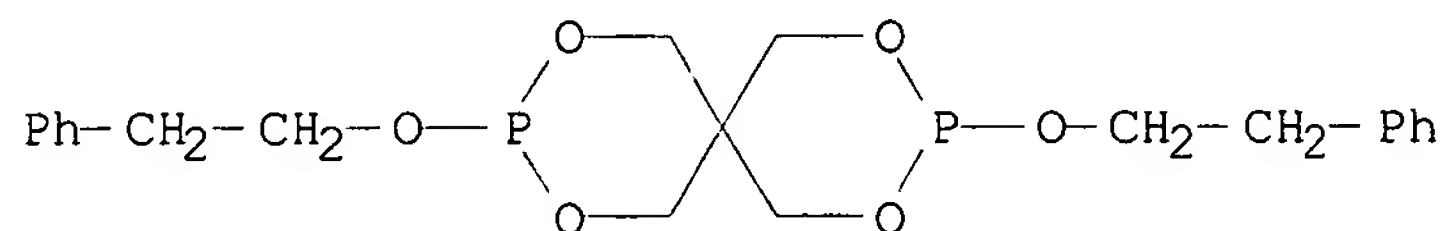
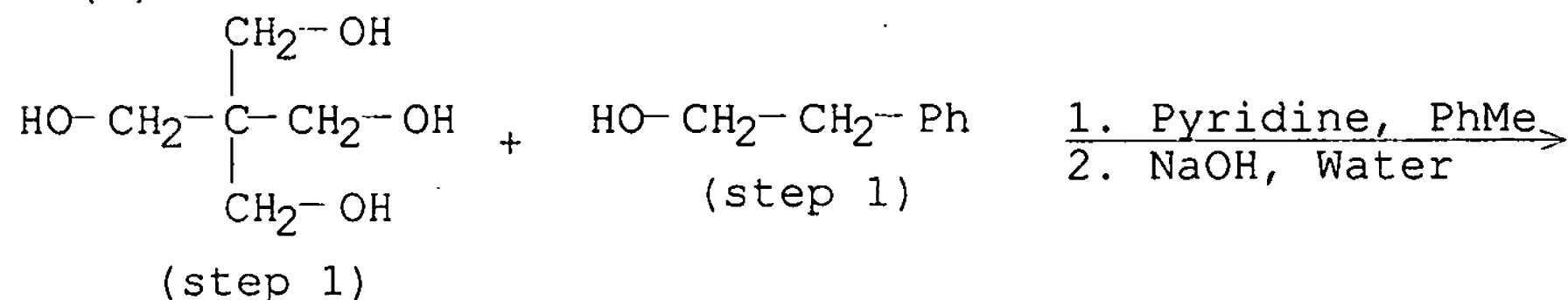
REF: Jpn. Kokai Tokkyo Koho, 2004018410, 22 Jan 2004

NOTE: alternative prepn. shown

CON: STAGE(1) 20 minutes, room temperature; 1 hour, room temperature;
room temperature -> 80 deg C; 1 hour, 80 deg C
STAGE(2) 50 minutes, room temperature; 30 minutes,
room temperature

L11 ANSWER 14 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(2) OF 2

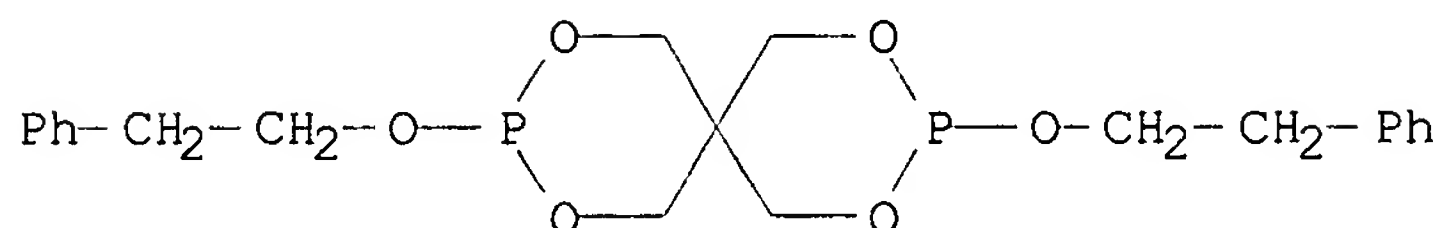
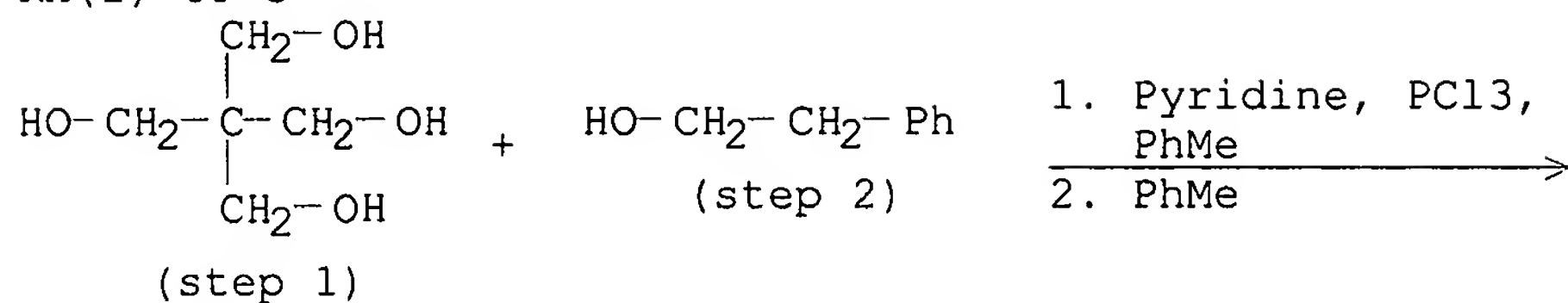


REF: Jpn. Kokai Tokkyo Koho, 2004018405, 22 Jan 2004

CON: STAGE(1) room temperature -> 120 deg C; 30 minutes, 20 deg C;
30 minutes

L11 ANSWER 15 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 3

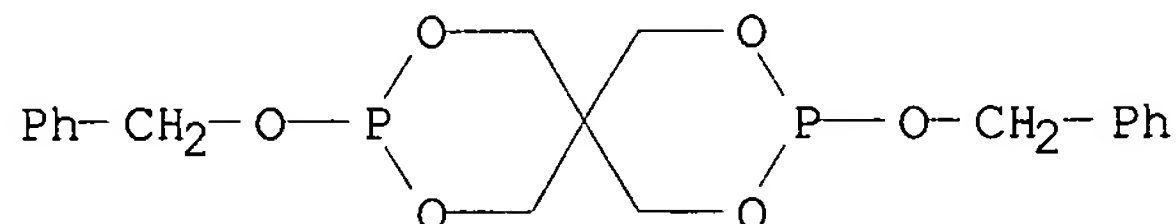
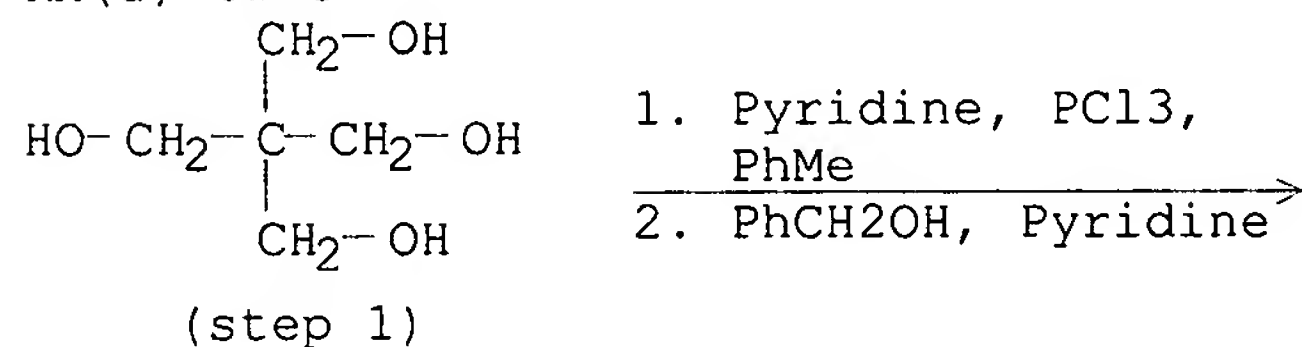


REF: Jpn. Kokai Tokkyo Koho, 2004018387, 22 Jan 2004

CON: STAGE(1) 1 hour, room temperature; room temperature -> 60 deg C;
30 minutes, 60 deg C; 60 deg C -> room temperature
STAGE(2) 20 deg C; 30 minutes, 20 deg C

L11 ANSWER 16 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 3



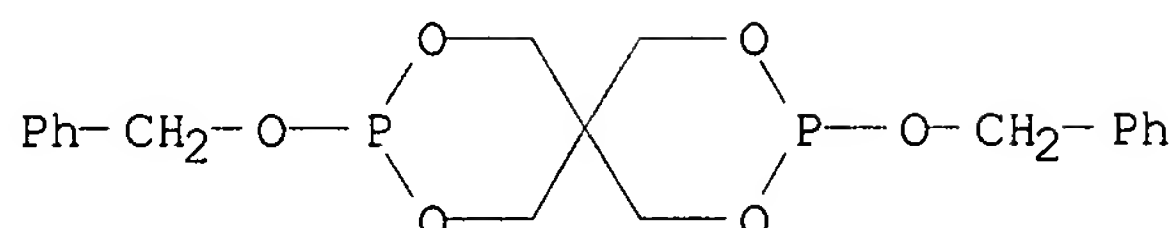
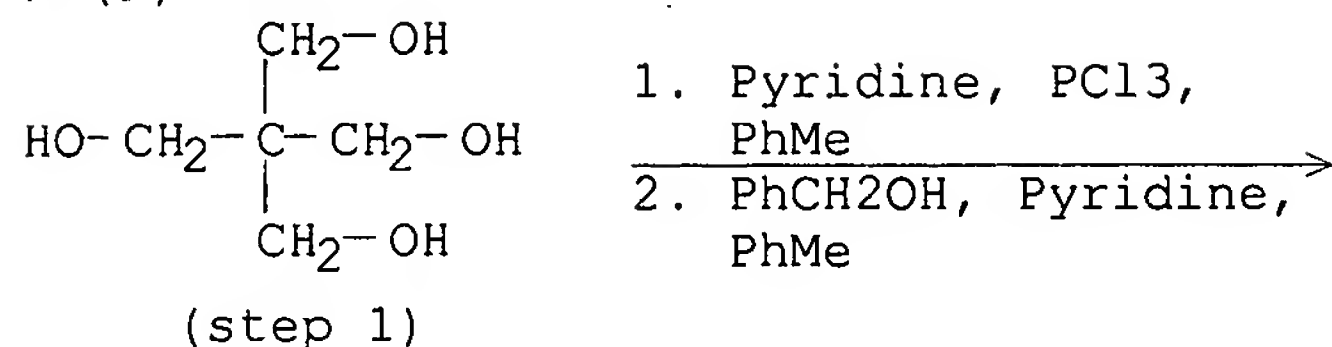
REF: Jpn. Kokai Tokkyo Koho, 2004018409, 22 Jan 2004

NOTE: alternative prepn. shown

CON: STAGE(1) 15 minutes, room temperature; 1 hour, room temperature;
room temperature -> 80 deg C; 1 hour, 80 deg C
STAGE(2) 30 minutes, 15 deg C; 30 minutes, 20 deg C

L11 ANSWER 17 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(2) OF 2



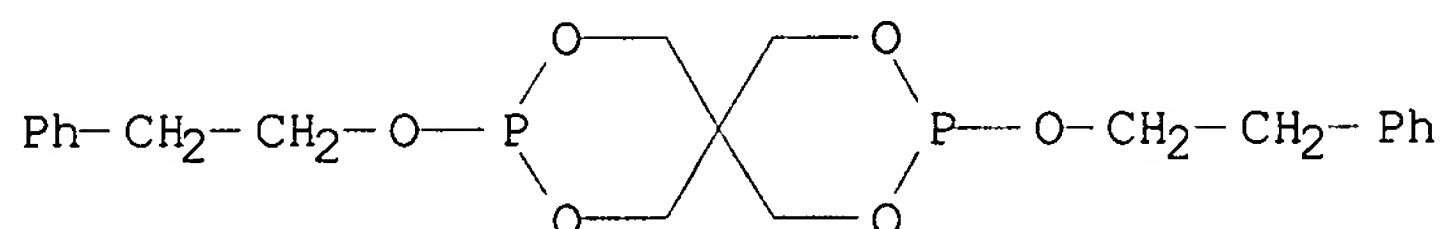
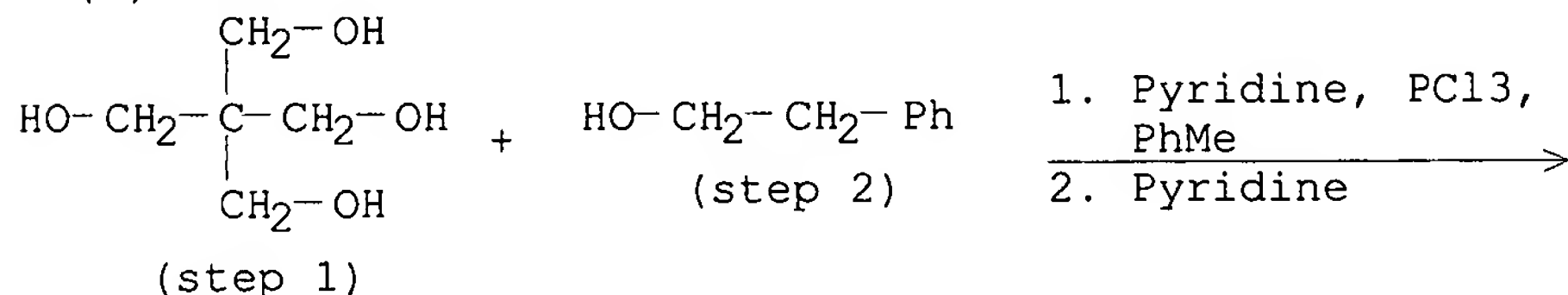
REF: Jpn. Kokai Tokkyo Koho, 2004018408, 22 Jan 2004

NOTE: alternative prepn. shown

CON: STAGE(1) 15 minutes, room temperature; 1 hour, room temperature;
room temperature -> 60 deg C; 20 minutes, 60 deg C
STAGE(2) 30 minutes, 5 deg C; 30 minutes, 20 deg C

L11 ANSWER 18 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 2



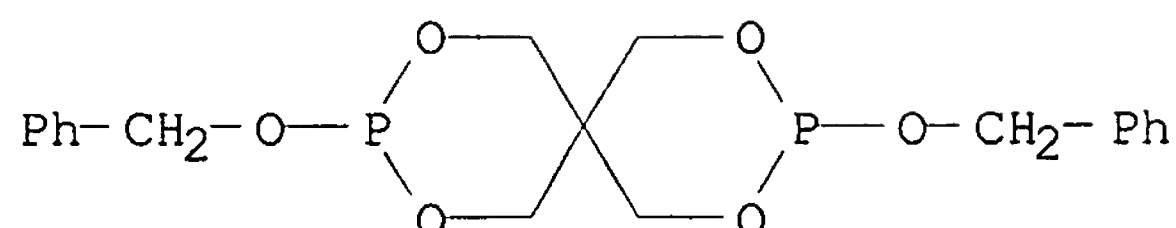
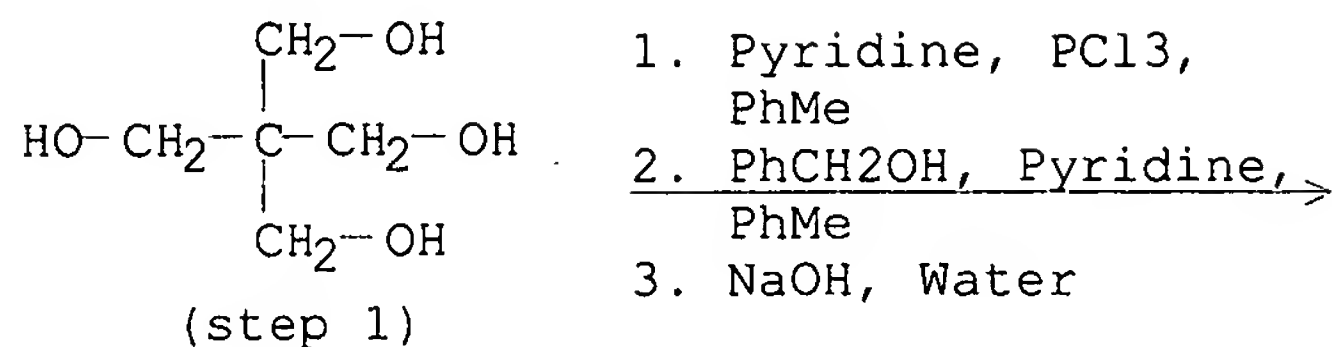
REF: Jpn. Kokai Tokkyo Koho, 2004018407, 22 Jan 2004

NOTE: alternative prepn. shown

CON: STAGE(1) 15 minutes, room temperature; 1 hour, room temperature;
room temperature -> 80 deg C; 1 hour, 80 deg C
STAGE(2) 30 minutes, 15 deg C; 30 minutes, 20 deg C

L11 ANSWER 19 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

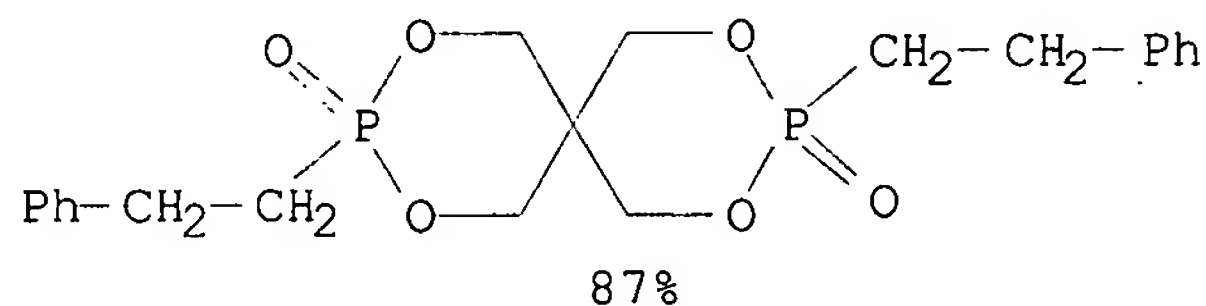
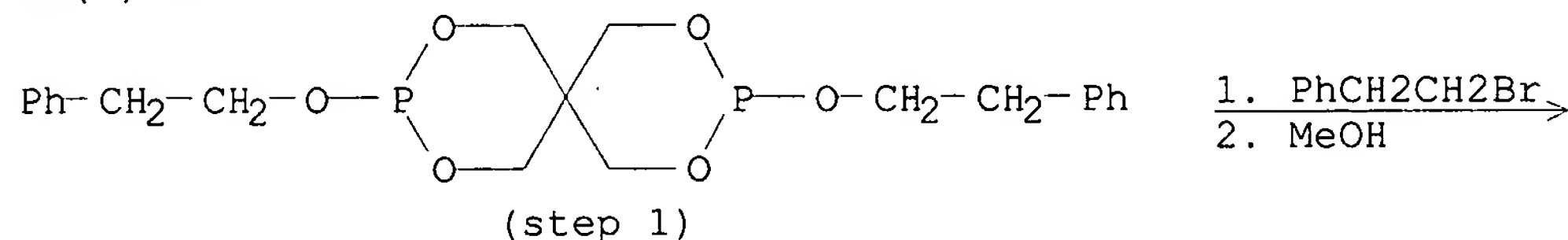
RX(1) OF 3



REF: Jpn. Kokai Tokkyo Koho, 2004018386, 22 Jan 2004
CON: STAGE(1) 1 hour, room temperature; room temperature -> 60 deg C;
30 minutes, 60 deg C
STAGE(2) 20 deg C; 30 minutes, 20 deg C

L11 ANSWER 20 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

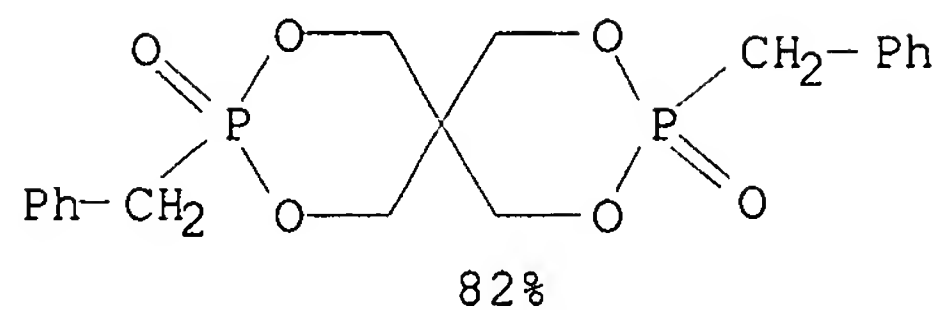
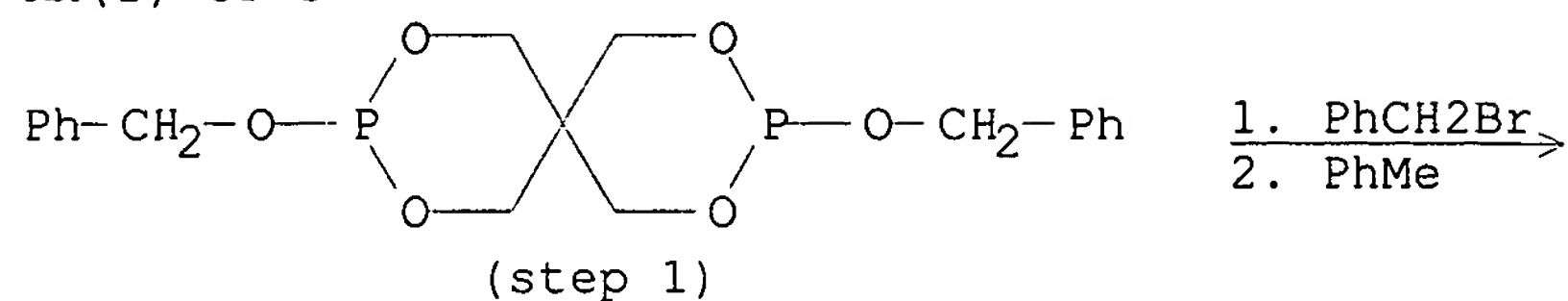
RX(1) OF 1



REF: Jpn. Kokai Tokkyo Koho, 2004018385, 22 Jan 2004
NOTE: alternative prepn. shown
CON: STAGE(1) 8 hours, 180 deg C; 180 deg C -> room temperature
STAGE(2) 1 hour, reflux

L11 ANSWER 21 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 3



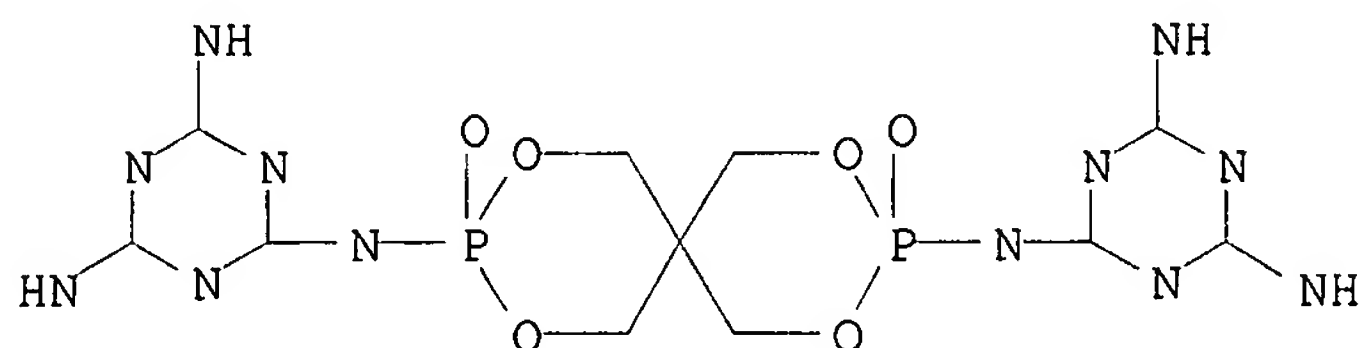
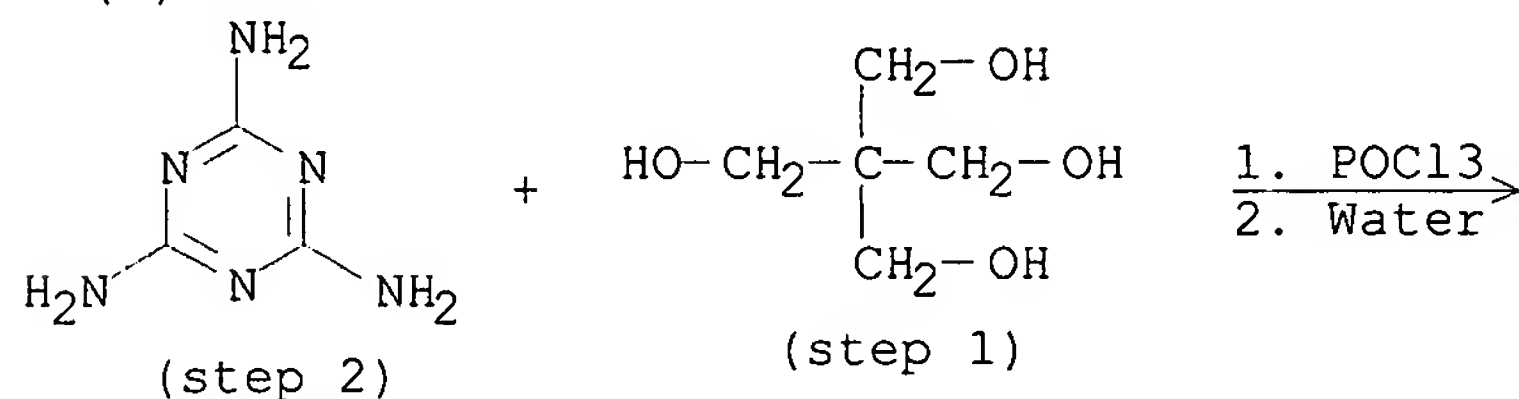
REF: Jpn. Kokai Tokkyo Koho, 2004018384, 22 Jan 2004

NOTE: alternative prepn. shown

CON: STAGE(1) 90 minutes, 150 deg C; 150 deg C -> room temperature
STAGE(2) 30 minutes, room temperature

L11 ANSWER 22 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 1



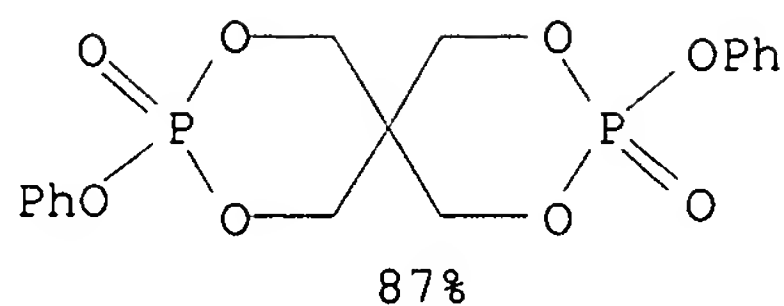
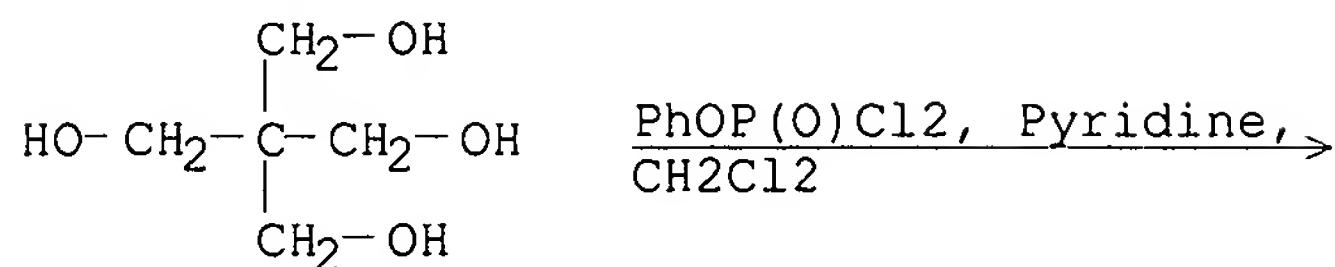
REF: PCT Int. Appl., 2003006472, 23 Jan 2003

CON: STAGE(1) room temperature; room temperature -> 105 deg C;
2 hours, 105 deg C; 105 deg C -> room temperature
STAGE(2) room temperature -> 100 deg C; 3 hours, 100 deg C

L11 ANSWER 23 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

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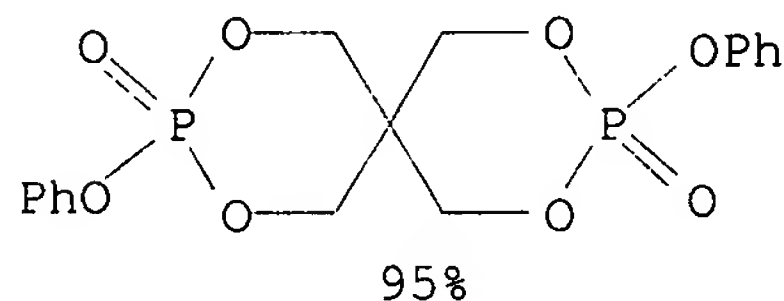
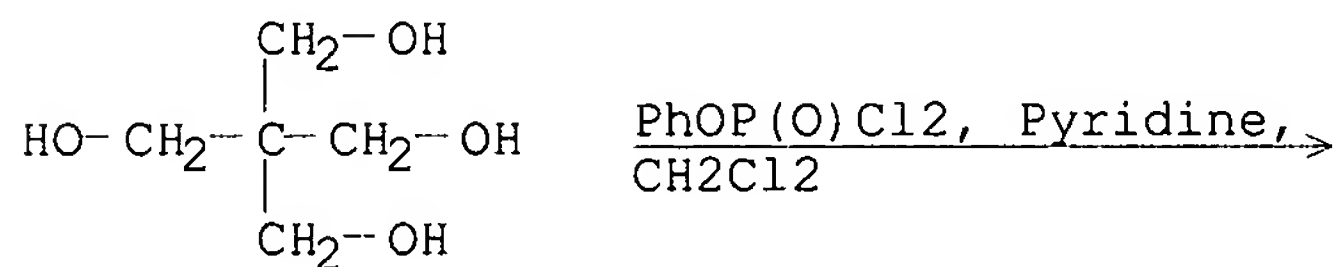
RX(1) OF 2



REF: Jpn. Kokai Tokkyo Koho, 2002097195, 02 Apr 2002

L11 ANSWER 24 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

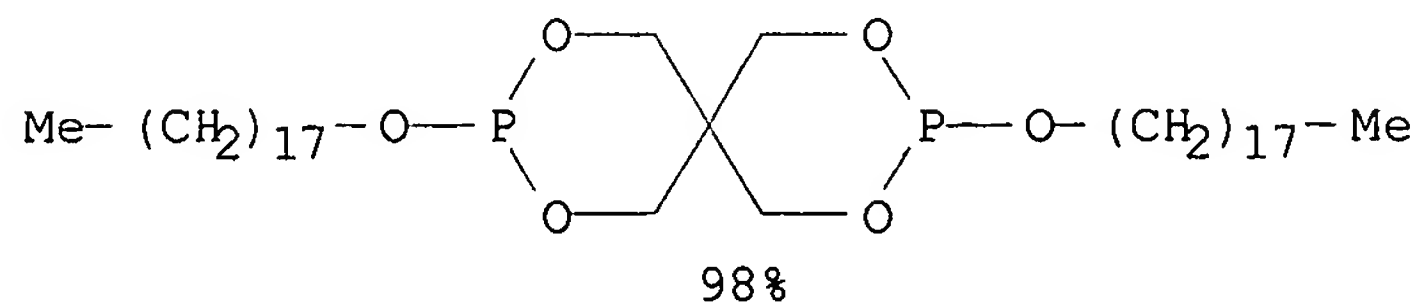
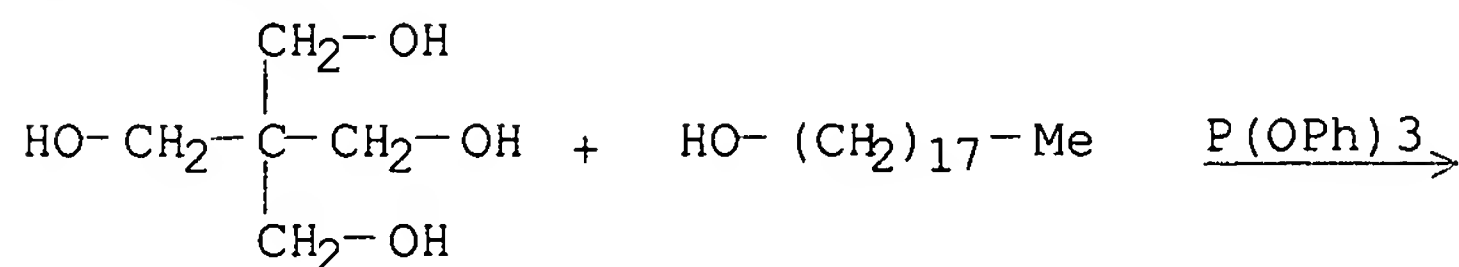
RX(1) OF 1



REF: Jpn. Kokai Tokkyo Koho, 2002053587, 19 Feb 2002

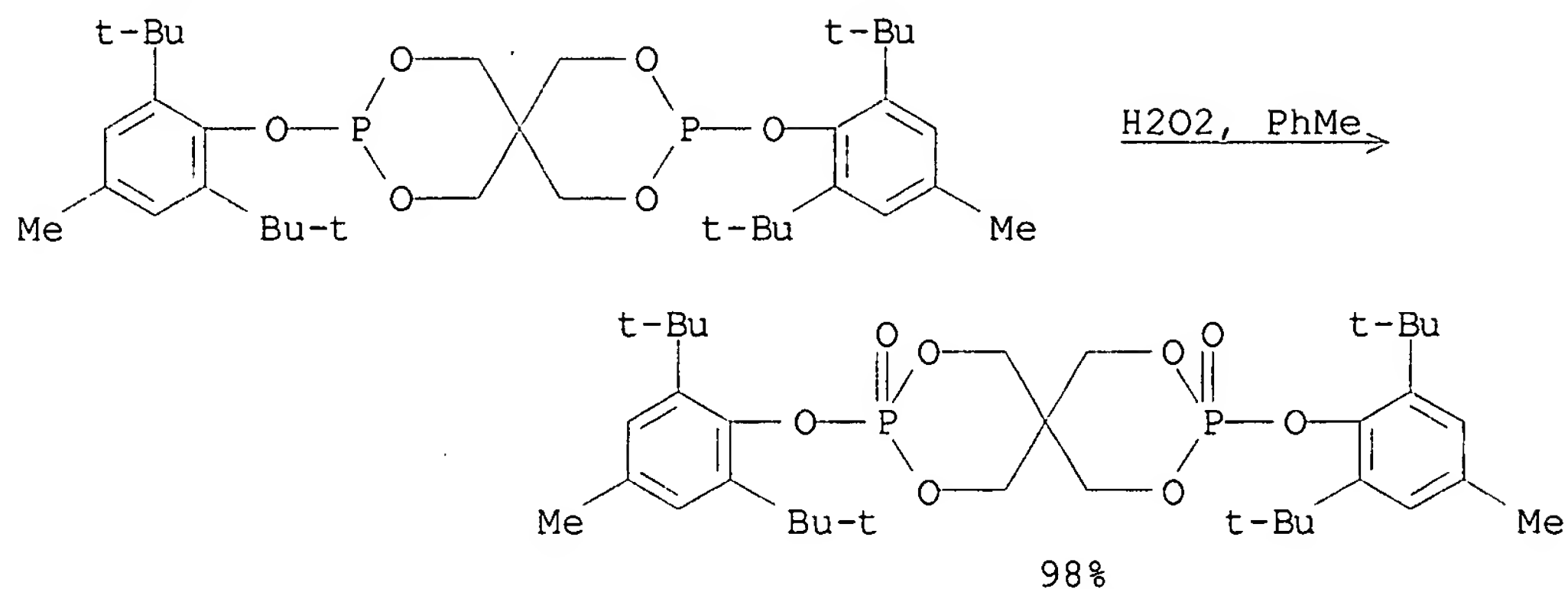
L11 ANSWER 25 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 1



REF: Huaxue Shijie, 42(3), 144-145, 165; 2001
NOTE: no solvent, organotin as catalyst

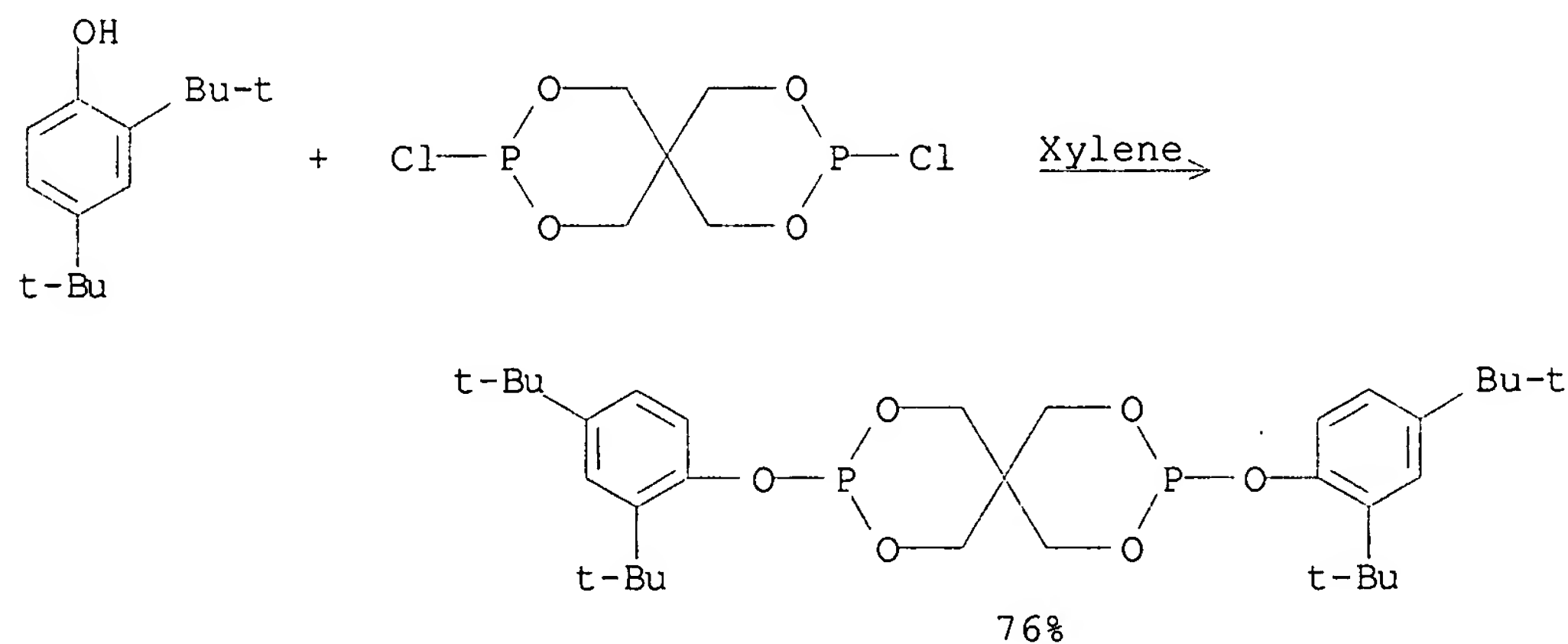
RX(1) OF 1



REF: Jpn. Kokai Tokkyo Koho, 2000128892, 09 May 2000

NOTE: room temp., 2 h

RX(1) OF 1

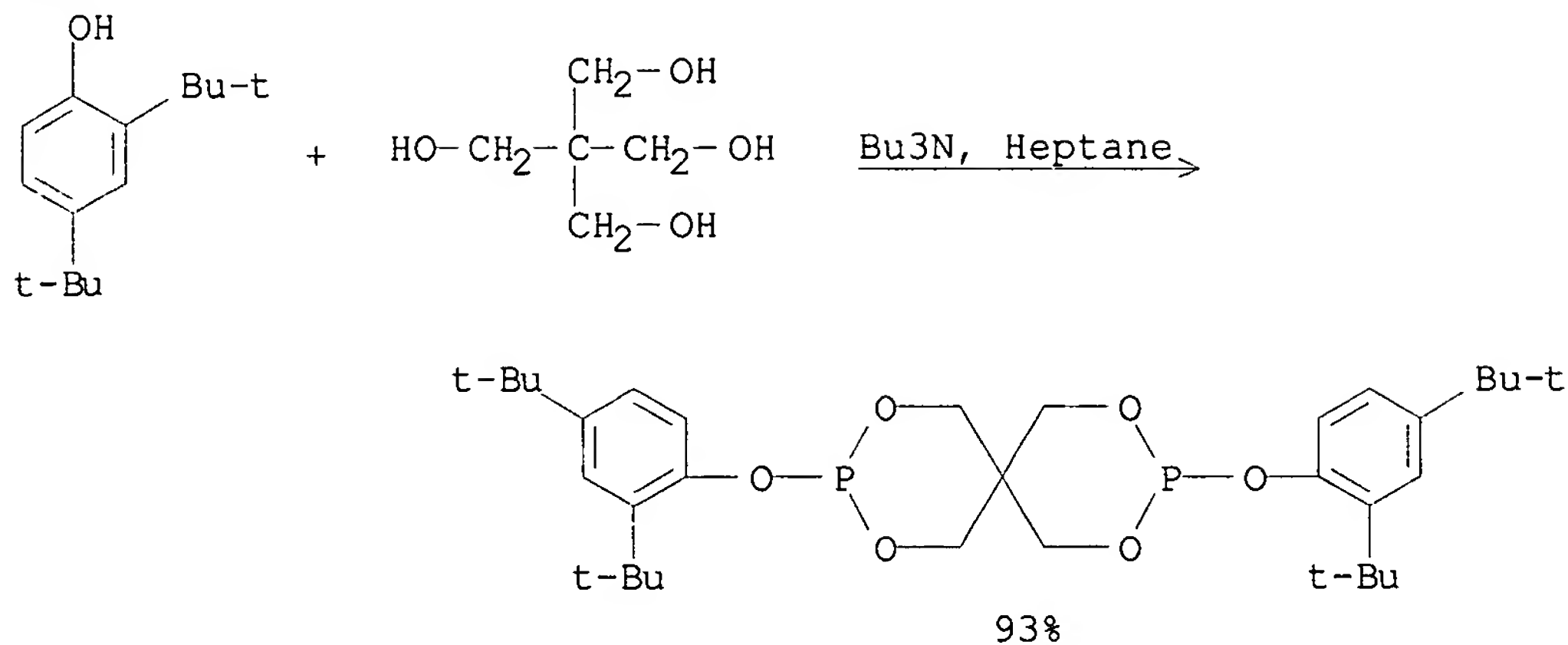


REF: U.S., 5919966, 06 Jul 1999

NOTE: in vacuo, 60.degree.

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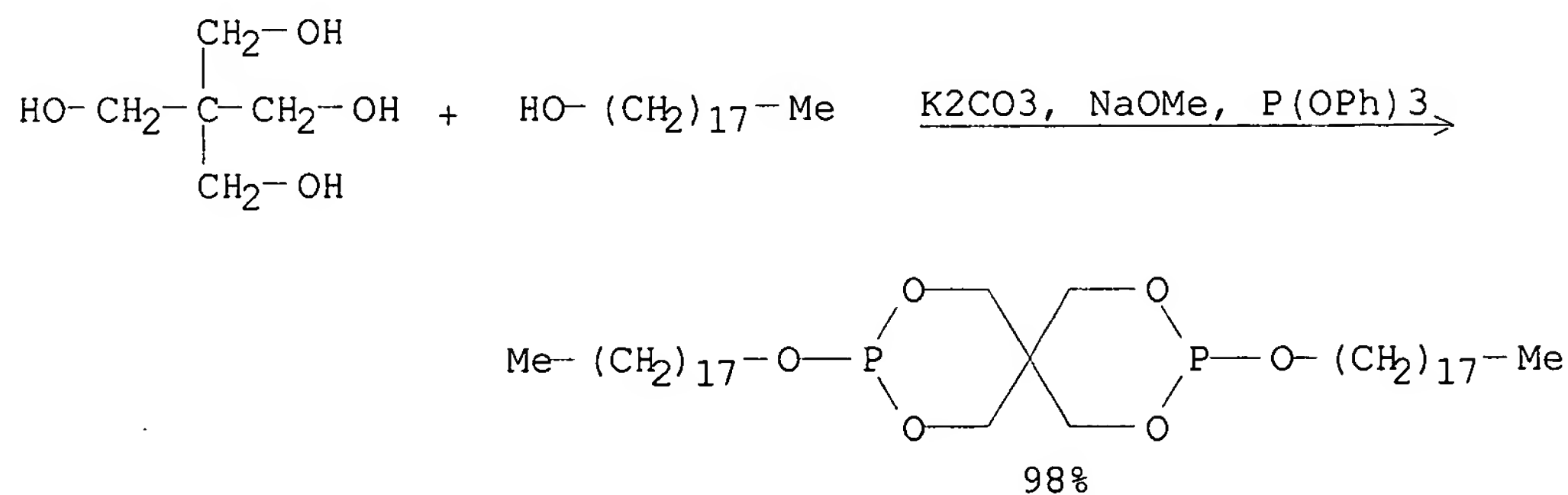
RX(1) OF 1



REF: U.S., 5917076, 29 Jun 1999
NOTE: 200 mesh pentaerythritol

L11 ANSWER 29 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 1

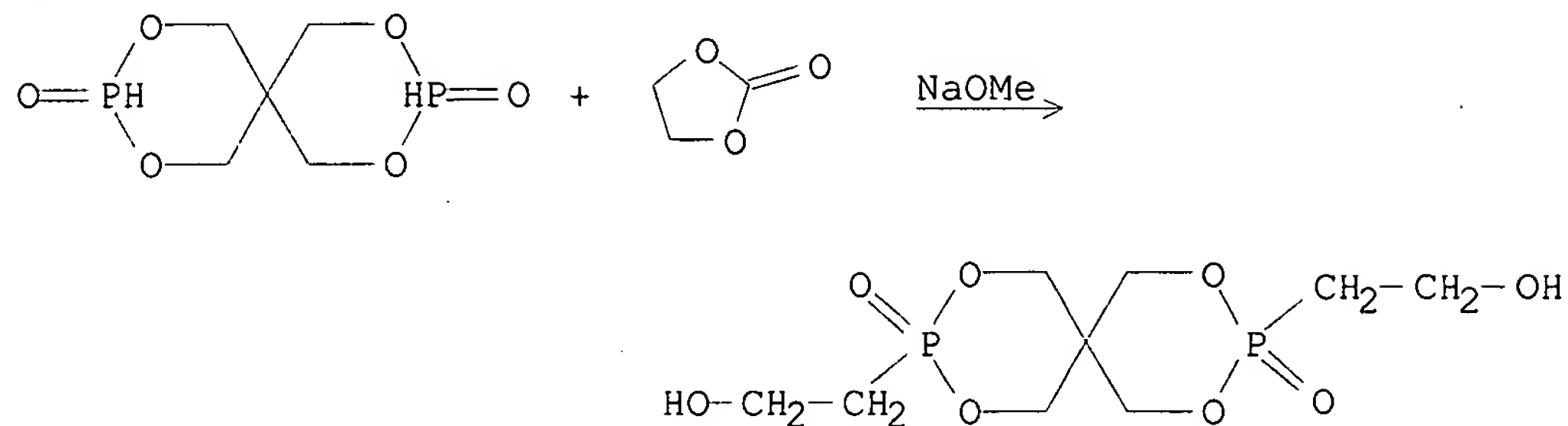


REF: Faming Zhuanli Shenqing Gongkai Shuomingshu, 1123284, 29 May 1996
NOTE: 160.degree., 1 h

L11 ANSWER 30 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

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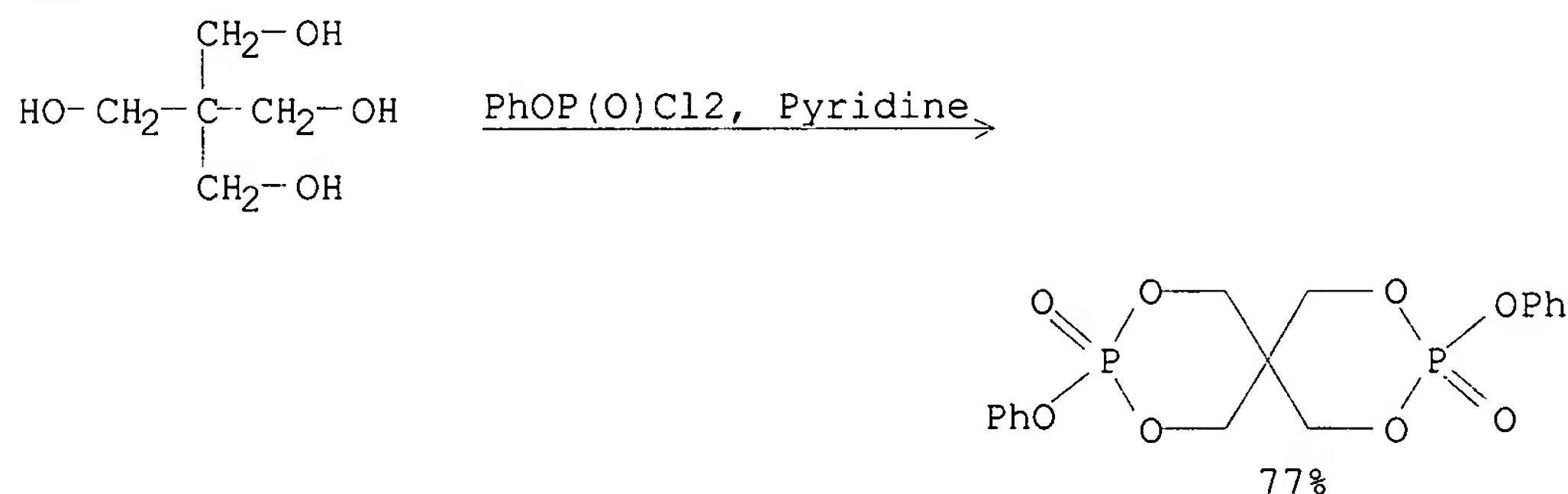
RX(1) OF 1



REF: Jpn. Kokai Tokkyo Koho, 10017585, 20 Jan 1998, Heisei
NOTE: 110-120.degree. for 5 h

L11 ANSWER 31 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

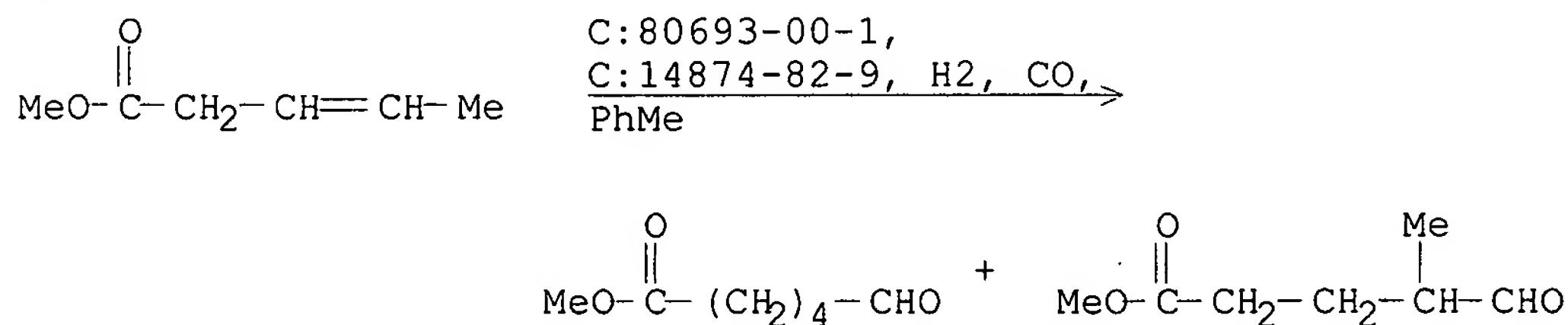
RX(1) OF 1



REF: Jpn. Kokai Tokkyo Koho, 09169789, 30 Jun 1997, Heisei
NOTE: 30 min

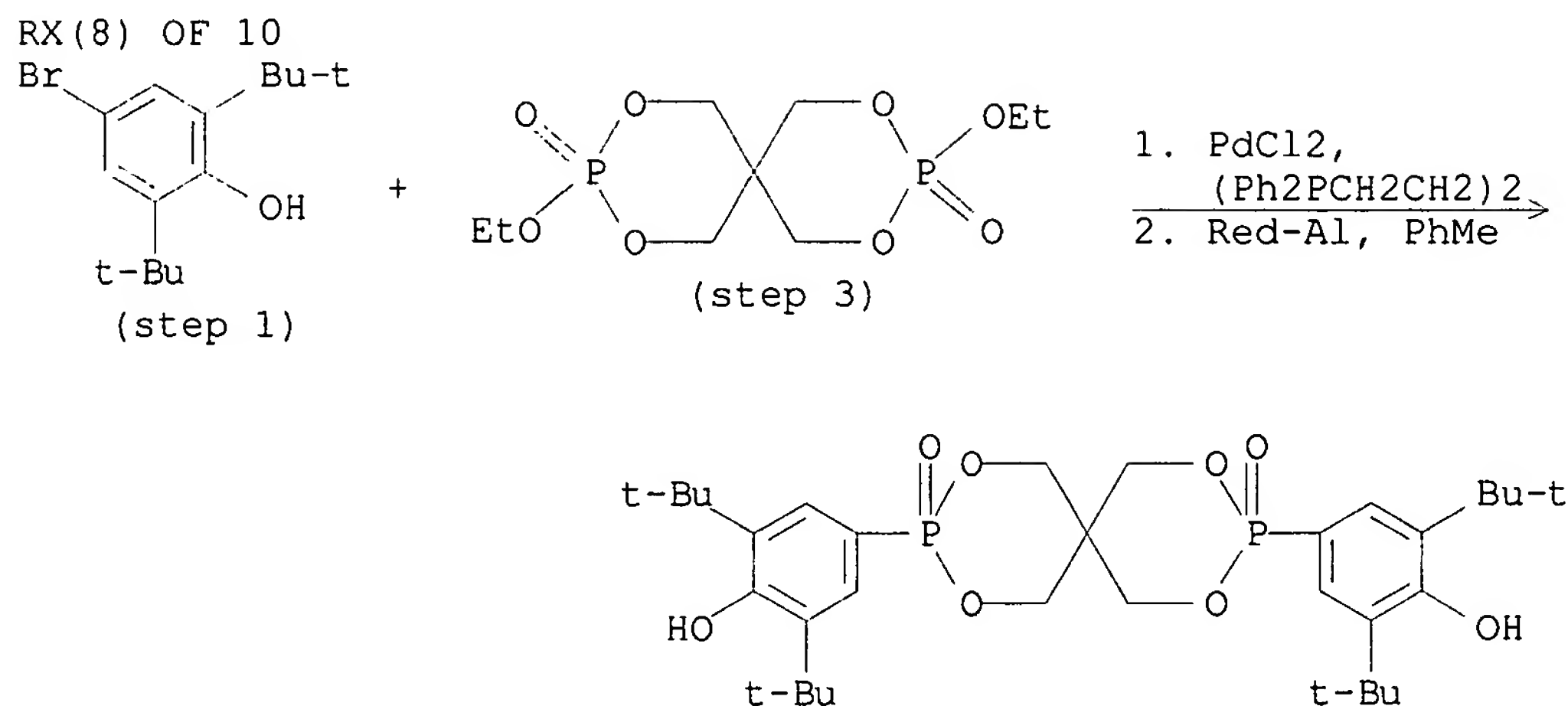
L11 ANSWER 32 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(2) OF 4



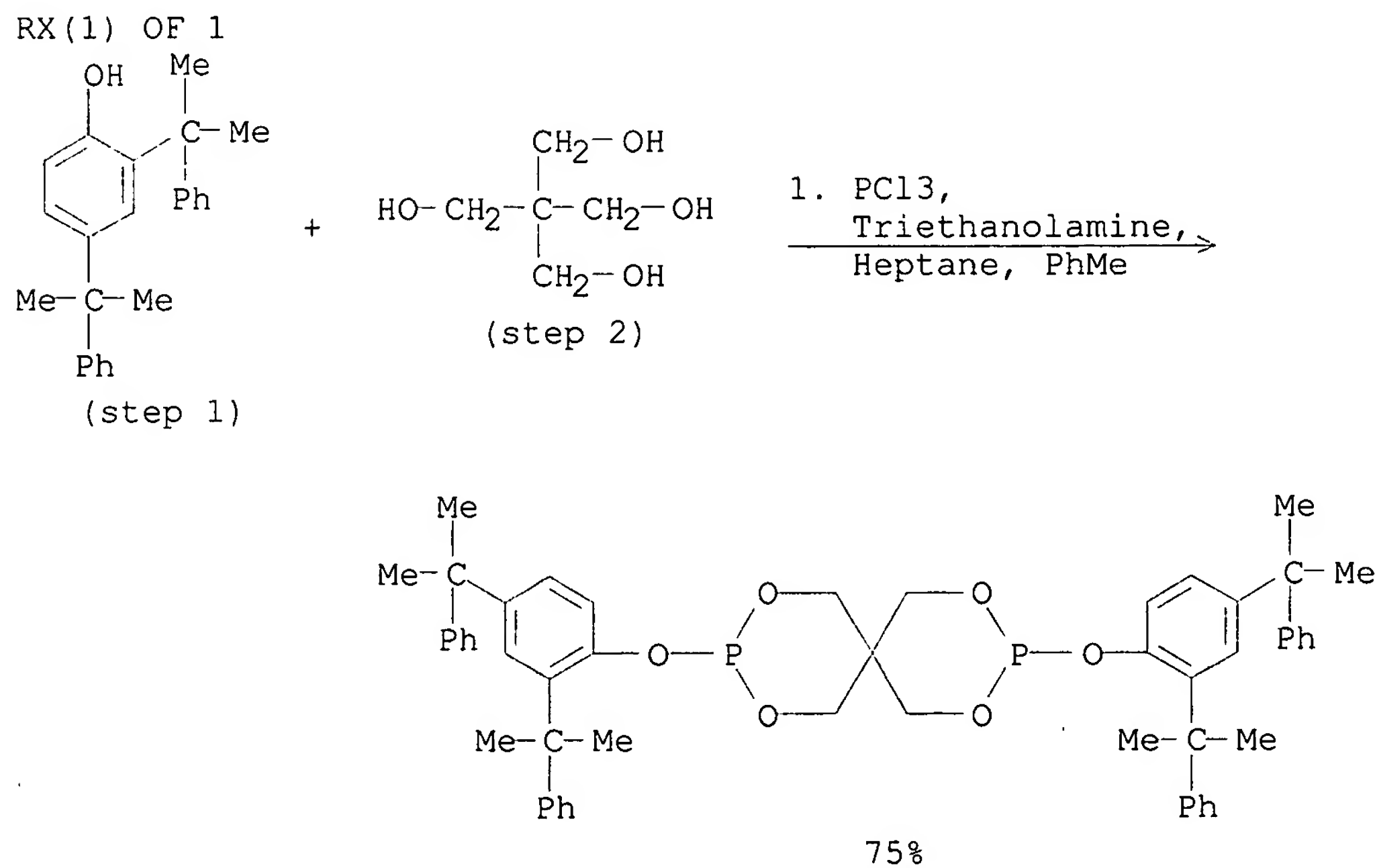
REF: Eur. Pat. Appl., 712828, 22 May 1996

L11 ANSWER 33 OF 40 CASREACT COPYRIGHT 2006 ACS on STN



REF: Ger. Offen., 4318013, 01 Dec 1994

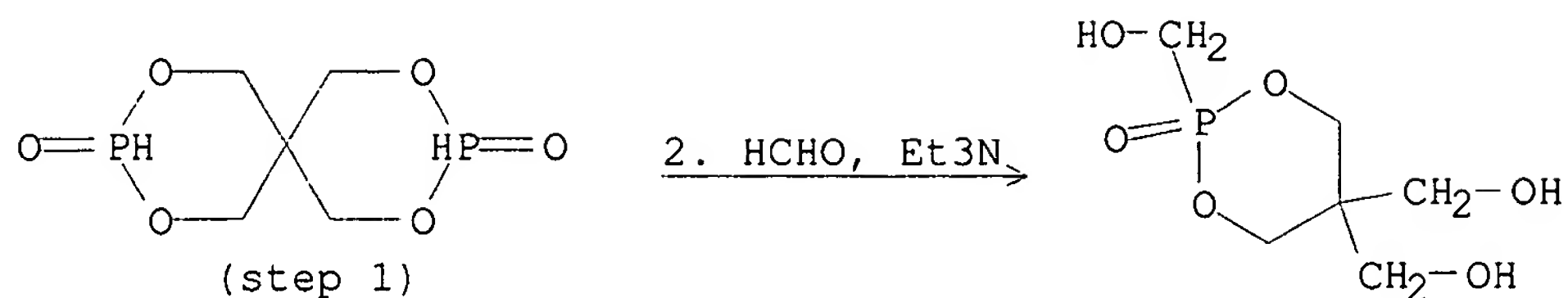
L11 ANSWER 34 OF 40 CASREACT COPYRIGHT 2006 ACS on STN



REF: PCT Int. Appl., 9417082, 04 Aug 1994

L11 ANSWER 35 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

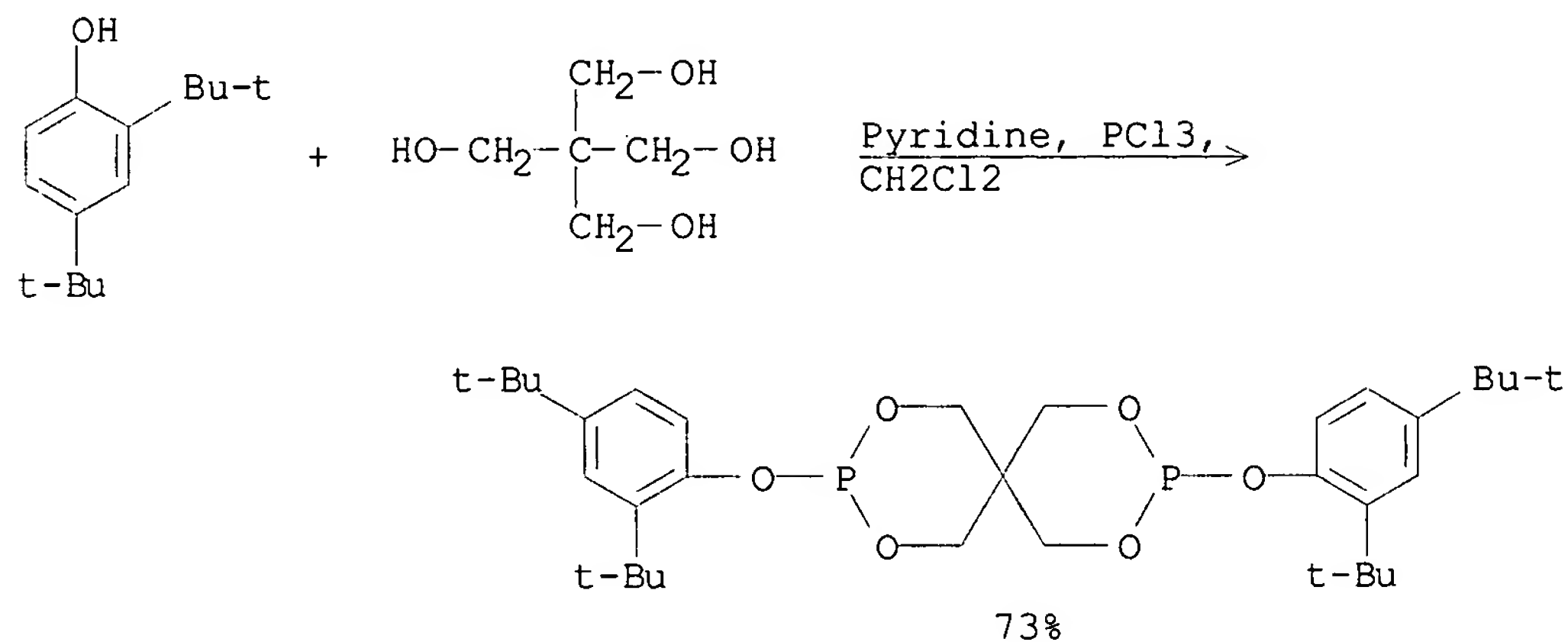
RX(3) OF 5



REF: Ger. Offen., 4221678, 13 Jan 1994
NOTE: paraformaldehyde used

L11 ANSWER 36 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

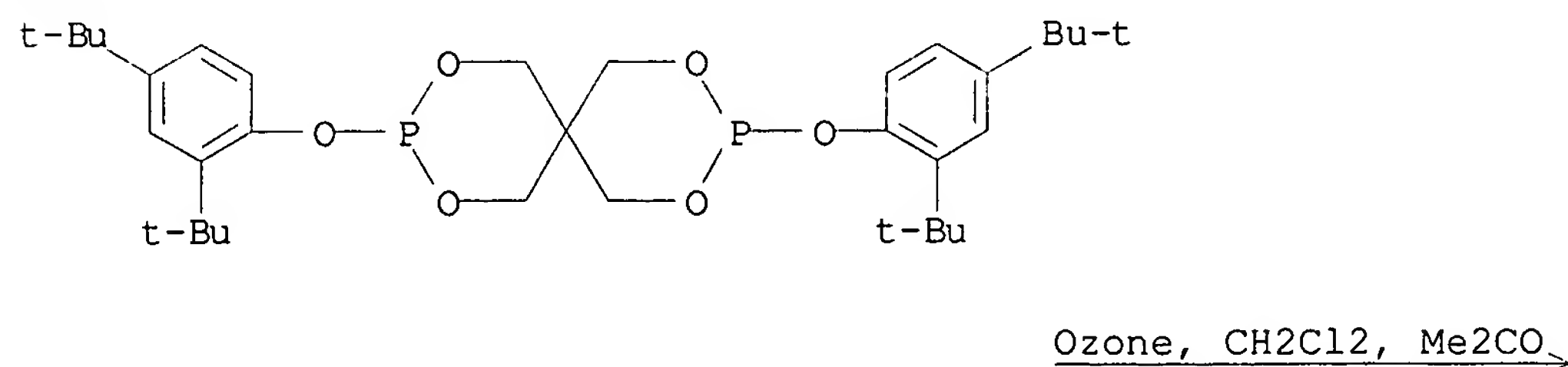
RX(1) OF 1



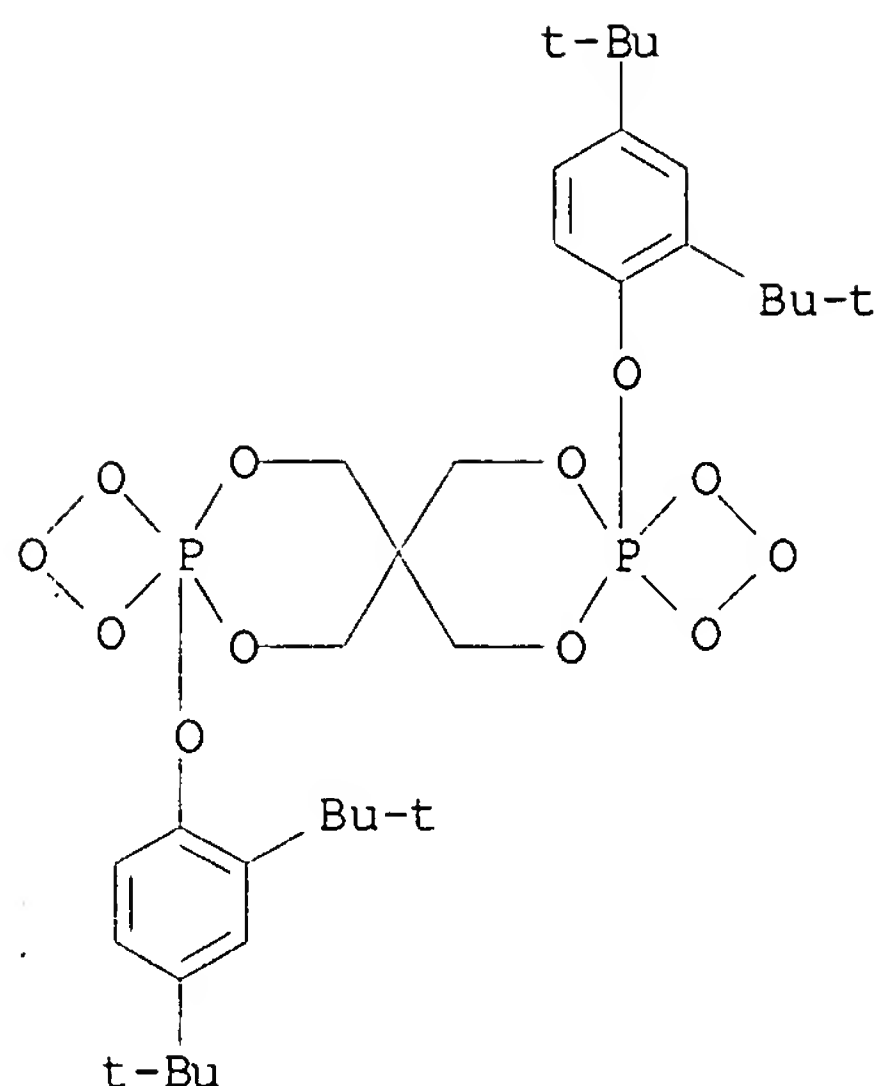
REF: U.S., 5103035, 07 Apr 1992

L11 ANSWER 37 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 5



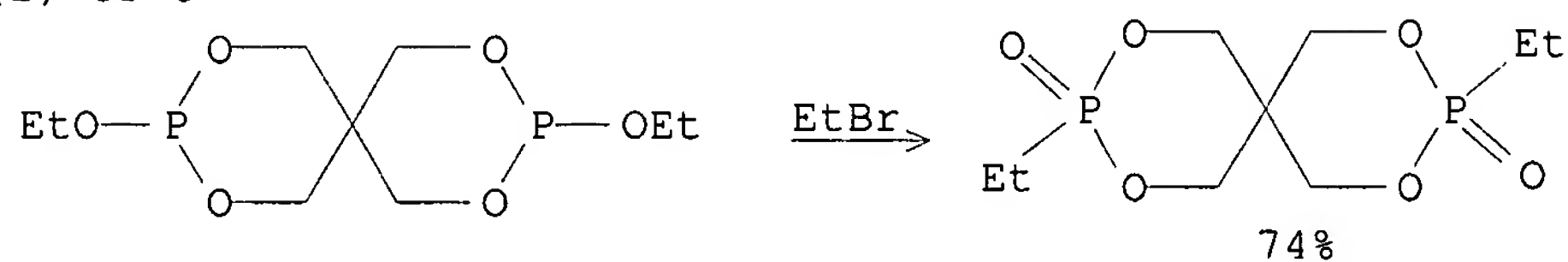
RX(1) OF 5



REF: Zhurnal Organicheskoi Khimii, 26(3), 623-7; 1990
NOTE: Either or both solvents

L11 ANSWER 38 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

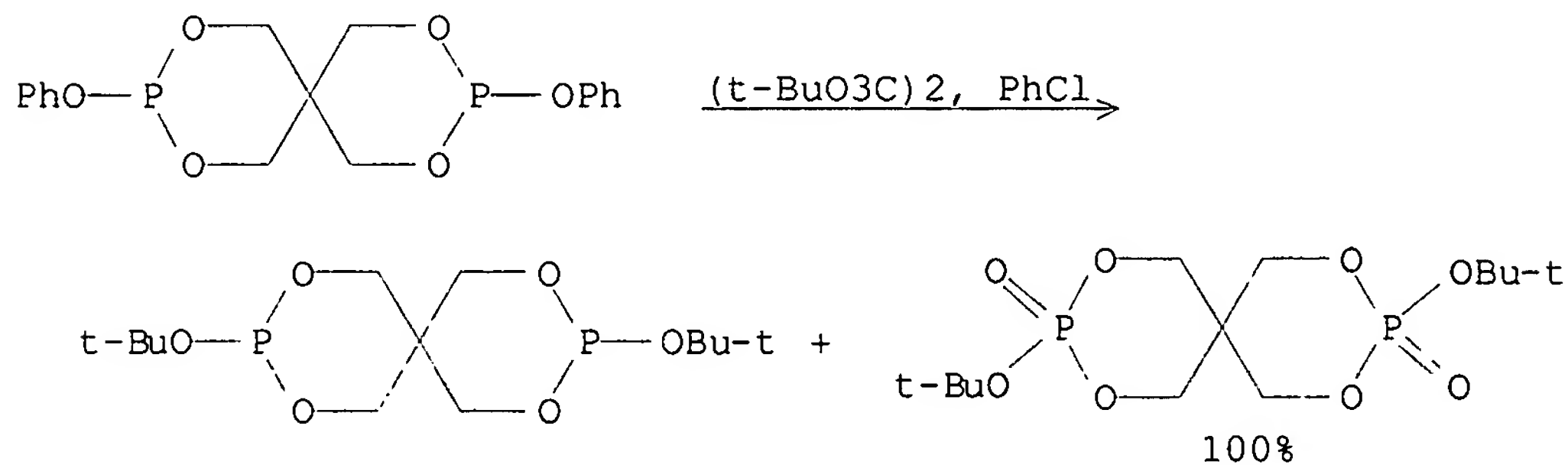
RX(2) OF 5



REF: Zhurnal Obshchei Khimii, 56(12), 2795-7; 1986

L11 ANSWER 39 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(10) OF 38

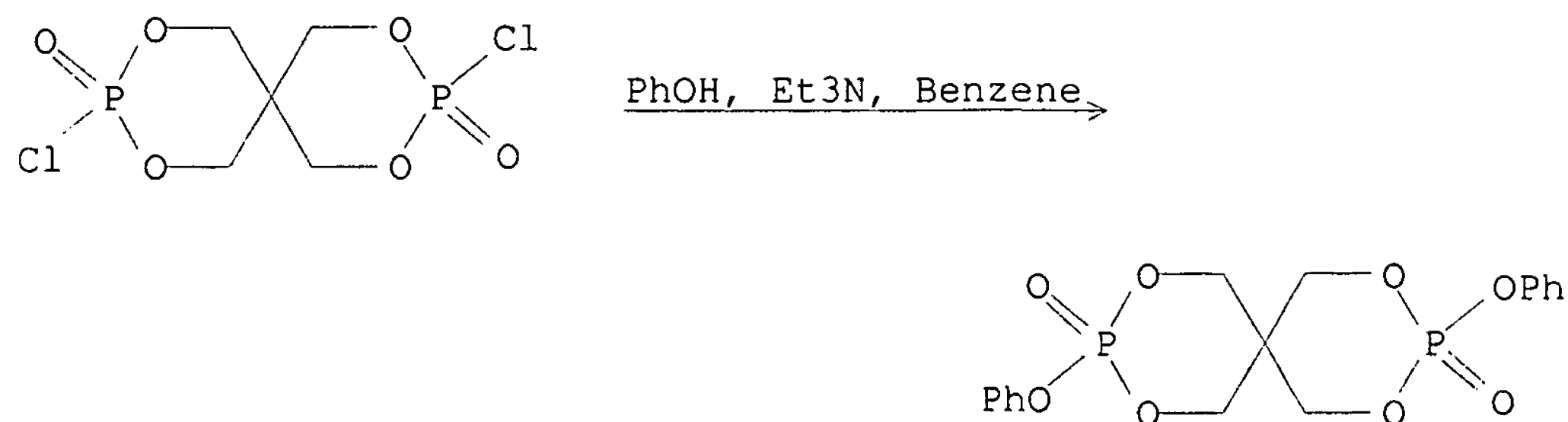


REF: Zeitschrift fuer Chemie, 26(10), 360-6; 1986

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L11 ANSWER 40 OF 40 CASREACT COPYRIGHT 2006 ACS on STN

RX(1) OF 8



REF: Magnetic Resonance in Chemistry, 23(2), 122-6; 1985

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	225.80	748.19
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.00

STN INTERNATIONAL LOGOFF AT 10:05:47 ON 19 SEP 2006